# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **CGC Sheetrock® Brand UltraLight Panels**

**Other means of identification**

**SDS number** 54001000501

**Synonyms** Gypsum Panels, Drywall, Plasterboard, Wallboard

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** CGC Inc.

**Address** 350 Burnhamthorpe Road West, 5th Floor
Mississauga, Ontario L5B 3J1
A Subsidiary of USG Corporation

**Telephone** 1-800-387-2690

**Website** www.cgcinc.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statements**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with federal, provincial and local regulations.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

The components are not hazardous or are below required disclosure limits.

**Composition comments** The gypsum used to manufacture these panels contains respirable crystalline silica ranging up to 2.4 percent by weight, depending on source, as indicated by bulk sampling methods. Industrial hygiene testing using both personal and area sampling measured no detectable respirable crystalline silica when cutting the product by “score and snap,” rotary saw, or circular saw. Good work practices which minimize the extent of dust generation should be followed.

## 4. First-aid measures

**Inhalation** Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Skin contact** Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

**Eye contact** Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

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July 2019

RE: Sustainability Statement

Nystrom certifies and provides the following information for use in achieving LEED v4 credit for the specification of Nystrom Access Doors and Panels.

**Product** Architectural and Recessed Access Doors
**Model(s)** NT, NW, NP, RA, RW, RP

**Manufacturing Info**

- Final Assembly Location: Brooklyn Park, MN
- Extraction point is not within 500 miles of manufacturing

**LEED Credit Options: Pre-checked for LEED v4 Material Ingredients, Option 1**

- MR Credit: Building Product Disclosure and Optimization – Material Ingredients
  - Option 1. Material Ingredient Reporting (1 point) Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm). (10 different permanently installed products from at least three different manufacturers for CS and Warehouses & Distribution Centers)
    - Health Product Declaration. The end use product has a published and complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration open Standard.

If you require any further information, please do not hesitate to contact us at (800) 547-2635.

9300 73rd Avenue North
Minneapolis, MN 55428

Phone (800) 547-2635
Fax (800) 317-8770

# Standard Access Doors by Nystrom

# Health Product Declaration v2.1.1

created via: HPDC Online Builder

**CLASSIFICATION:** 08 31 00 Openings: Access Doors and Panels

**PRODUCT DESCRIPTION:** Non-Rated Steel and Stainless Steel Access Doors provide easy access to mechanical, electrical and plumbing fixtures behind a wall. Nystrom's flexible manufacturing takes the hassle out of custom sizing, materials, and colors. Combine that with strategically located stocking facilities around the country, and you get exactly the door you need. This HPD covers Nystrom's Architectural Access Doors (NT/NW/NP) and Recessed Access Doors (RA/RW/RP) with standard features. Alternate or optional accessories are included in Section 4: Accessories.

## Section 1: Summary

## Basic Method / Product Threshold

### CONTENT INVENTORY

**Inventory Reporting Format**

- ○ Nested Materials Method
- ◉ Basic Method

**Threshold Disclosed Per**

- ○ Material
- ◉ Product

**Threshold level**

- ○ 100 ppm
- ◉ 1,000 ppm
- ○ Per GHS SDS
- ○ Per OSHA MSDS
- ○ Other

**Residuals/Impurities**

- ◉ Considered
- ○ Partially Considered
- ○ Not Considered

Explanation(s) provided for Residuals/Impurities?

- ◉ Yes ○ No

*All Substances Above the Threshold Indicated Are:*

**Characterized** ○ Yes Ex/SC ◉ Yes ○ No

*% weight and role provided for all substances.*

**Screened** ○ Yes Ex/SC ◉ Yes ○ No

*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified** ○ Yes Ex/SC ○ Yes ◉ No

*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

**CONTENT IN DESCENDING ORDER OF QUANTITY**

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

STANDARD ACCESS DOORS [ STEEL NoGS STAINLESS STEEL NoGS ZINC LT-P1 | AQU | PHY | END | MUL UNDISCLOSED NoGS ALUMINA TRIHYDRATE BM-2 | RES TITANIUM DIOXIDE LT-1 | CAN | END ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Substances not "Identified" are those considered proprietary to suppliers.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE** *See Section 3 for additional listings.*

VOC emissions: Inherently non-emitting source per LEED®

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2019-05-09
PUBLISHED DATE: 2019-07-16
EXPIRY DATE: 2022-05-09

# Section 2: Content in Descending Order of Quantity

*This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:*

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

*Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard*

## STANDARD ACCESS DOORS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered by following the suggestions of Emerging Best Practices. Approximately 99% of this product consists of metal alloys, for which Pharos CML may consider the various alloying elements as "Known or Potential Residuals". Therefore, these components have been included in the Substance Notes instead of as individual content entries. Components are listed by name, CASRN, percent by weight (as per supplier SDS), and relevant GreenScreen score.

OTHER PRODUCT NOTES: Percent by weight of substances given as ranges to account for material differences between product lines.

### STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-09**

%: **97.50 - 99.00**

GS: **NoGS**

RC: **Both**

NANO: **No**

ROLE: **Base Metal**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Standard door and frame, hinge, cam latch. Alternate door and frame available in stainless steel. Supplier has confirmed 19.8% Post-Consumer and 14.4% Pre-Consumer Recycled Content. Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: max 3.1% Silicon [7440-21-3; LT-UNK]; max 2.5% Manganese [7439-96-5; LT-P1]; max 1.6% Aluminum [7429-90-5; LT-P1]; max 1.0% Chromium [7440-47-3; LT-P1]; max 0.5% Nickel [7440-02-0; LT-1]; max 0.2% Vanadium [7440-62-2; LT-1].

### STAINLESS STEEL

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-05-09**

%: **94.00 - 96.00**

GS: **NoGS**

RC: **Both**

NANO: **No**

ROLE: **Base Metal**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Alternate base metal for door and frame. Total recycled content confirmed by suppliers for stainless steel is approximately 92% (22% Pre-Consumer and 70% Post-Consumer Recycled Content). Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: max 40% Nickel [7440-02-0; LT-1]; max 30% Chromium [7440-47-3; LT-P1]; max 15% Manganese [7439-96-5; LT-P1]; max 5.0% Molybdenum [7439-98-7; LT-UNK]; max 5.0% Copper [7440-50-8; LT-UNK]; max 3.0% Silicon [7440-21-3; LT-UNK]; max 1.0% Aluminum [7429-90-5; LT-P1]; max 1.0% Cobalt [7440-48-4; LT-1].

## ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-05-09**

%: **0.04 - 1.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Metallic Coating**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| ACUTE AQUATIC | EU - GHS (H-Statements) | H400 - Very toxic to aquatic life |
| CHRON AQUATIC | EU - GHS (H-Statements) | H410 - Very toxic to aquatic life with long lasting effects |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H260 - In contact with water releases flammable gases which may ignite spontaneously |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

SUBSTANCE NOTES: Galvannealed steel door and frame (standard), zinc plated steel hinge.

## UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-05-09**

%: **0.00 - 0.70** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Pigment Binder**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: White powder coating available on standard steel door and frame. Supplier has shared substance identity under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

## ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-05-09**

%: **0.00 - 0.50** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Filler, Extender**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| RESPIRATORY | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |

SUBSTANCE NOTES: White powder coating available on standard steel door and frame. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.

## TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-05-09**

%: **0.00 - 0.40** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CANCER | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| CANCER | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |
| CANCER | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |

SUBSTANCE NOTES: White powder coating available on standard steel door and frame.

# Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

**VOC EMISSIONS** — **Inherently non-emitting source per LEED®**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2019-04-10

EXPIRY DATE:

CERTIFIER OR LAB: N/A

CERTIFICATION AND COMPLIANCE NOTES: This product qualifies as an inherently non-emitting source per LEED, as ~99% of the product consists of powder-coated metal and/or plated or anodized metal. As per LEED, "Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants."

# Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

**KEY OPERATED CAM LATCH** — HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Optional Latch available. Please contact manufacturer for more information.

**MORTISE LOCK (1-1/8 INCH) PREP** — HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Optional Mortise Lock (1-1/8 inch) Prep available. Please contact manufacturer for more information.

# Section 5: General Notes

# Section 6: References

## MANUFACTURER INFORMATION


MANUFACTURER: **Nystrom**
ADDRESS: **9300 73rd Avenue North**
**Minneapolis MN 55428, USA**
WEBSITE: **www.nystrom.com**

CONTACT NAME: **Sandy McWilliams**
TITLE: **Director of Business Development**
PHONE: **(800) 547-2635**
EMAIL: **SMcWilliams@nystrom.com**


## KEY

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Hazard Types**

**AQU** Aquatic toxicity
**CAN** Cancer
**DEV** Developmental toxicity
**END** Endocrine activity
**EYE** Eye irritation/corrosivity
**GEN** Gene mutation
**GLO** Global warming
**MAM** Mammalian/systemic/organ toxicity
**MUL** Multiple hazards
**NEU** Neurotoxicity
**OZO** Ozone depletion
**PBT** Persistent Bioaccumulative Toxic
**PHY** Physical Hazard (reactive)
**REP** Reproductive toxicity
**RES** Respiratory sensitization
**SKI** Skin sensitization/irritation/corrosivity
**LAN** Land Toxicity
**NF** Not found on Priority Hazard Lists

**GreenScreen (GS)**

**BM-4** Benchmark 4 (prefer-safer chemical)
**BM-3** Benchmark 3 (use but still opportunity for improvement)
**BM-2** Benchmark 2 (use but search for safer substitutes)
**BM-1** Benchmark 1 (avoid - chemical of high concern)
**BM-U** Benchmark Unspecified (insuficient data to benchmark)
**LT-P1** List Translator Possible Benchmark 1
**LT-1** List Translator Likely Benchmark 1
**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
**NoGS** Unknown (no data on List Translator Lists)

**Recycled Types**

**PreC** Preconsumer (Post-Industrial)
**PostC** Postconsumer
**Both** Both Preconsumer and Postconsumer
**Unk** Inclusion of recycled content is unknown
**None** Does not include recycled content

**Other Terms**
**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology
**Third Party Verified** Verification by independent certifier approved by HPDC
**Preparer** Third party preparer, if not self-prepared by manufacturer
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*

| | |
|---|---|
| **Ingestion** | Rinse mouth. Get medical attention if symptoms occur. |
| **Most important symptoms/effects, acute and delayed** | Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate throat and respiratory system and cause coughing. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | Not applicable. |
| **Specific hazards arising from the chemical** | Not a fire hazard. |
| **Special protective equipment and precautions for firefighters** | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **Specific methods** | Cool material exposed to heat with water spray and remove it if no risk is involved. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | See Section 8 of the SDS for Personal Protective Equipment. |
| **Methods and materials for containment and cleaning up** | No specific clean-up procedure noted. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Avoid discharge to drains, sewers, and other water systems. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Use work methods which minimise dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. When moving board with a forklift or similar equipment, it is essential that the equipment be rated capable of handling the loads. The forks should always be long enough to extend completely through the width of the load. Fork spacing between supports should be one half the length of the panels or base being handled so that a maximum of 4' extends beyond the supports on either end.<br><br>Follow traditional building practices; such as management of water away from the interior of the structure to avoid the growth of mold, mildew and fungus. Remove any building products suspected of being exposed to sustained moisture and considered conducive to mold growth from the job site. Gypsum panels are very heavy, awkward loads posing the risk of severe back injury. Use proper lifting techniques. |
| **Conditions for safe storage, including any incompatibilities** | Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Protect product from physical damage. Protect from weather and prevent exposure to sustained moisture. Gypsum Association literature (GA-801-07) recommends storing board flat to avoid damaging edges, warping the board and the potential safety hazards of the board falling over. However, in other situations, storing the board flat may cause a tripping hazard or exceed floor limit loads. If stacking board vertically, leave at least 4 inches from the wall to decrease the risk of falling board and no more than 6 inches to avoid too much lateral weight against the wall. |

## 8. Exposure controls/personal protection

| | |
|---|---|
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate engineering controls** | Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimise the risk of exposure. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Wear approved safety goggles. |

| | |
|---|---|
| **Skin protection** | |
| **Hand protection** | It is a good industrial hygiene practice to minimise skin contact. For prolonged or repeated skin contact use suitable protective gloves. |
| **Other** | Normal work clothing (long sleeved shirts and long pants) is recommended. |
| **Respiratory protection** | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use. Observe any medical surveillance requirements. |
| **Thermal hazards** | None. |
| **General hygiene considerations** | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | Paper faced with gypsum core. |
| **Physical state** | Solid. |
| **Form** | Panel. |
| **Colour** | Gray to off-white. |
| **Odour** | Low to no odour. |
| **Odour threshold** | Not applicable. |
| **pH** | 6 - 8 |
| **Melting point/freezing point** | Not applicable. |
| **Initial boiling point and boiling range** | Not applicable. |
| **Flash point** | Not applicable. |
| **Evaporation rate** | Not applicable. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not applicable. |
| **Flammability limit - lower (%) temperature** | Not applicable. |
| **Flammability limit - upper (%)** | Not applicable. |
| **Flammability limit - upper (%) temperature** | Not applicable. |
| **Explosive limit - lower (%)** | Not applicable. |
| **Explosive limit - lower (%) temperature** | Not applicable. |
| **Explosive limit – upper (%)** | Not applicable. |
| **Explosive limit - upper (%) temperature** | Not applicable. |
| **Vapour pressure** | Not applicable. |
| **Vapour density** | Not applicable. |
| **Relative density** | 2.32 (Gypsum) (H2O=1) |
| **Solubility(ies)** | |
| **Solubility (water)** | 0.26 g/100 g (H2O) |
| **Partition coefficient (n-octanol/water)** | Not applicable. |
| **Auto-ignition temperature** | Not applicable. |

| | |
|---|---|
| **Decomposition temperature** | 1450 °C (2642 °F) |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Bulk density** | 550 kg/m³ (34 lb/ft3) |
| **Explosive limit** | Not applicable. |
| **Flammability** | Not applicable. |
| **Flammability class** | Not applicable. |
| **Particle size** | Varies. |
| **VOC (Weight %)** | 0 % |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non reactive under normal conditions of storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerisation does not occur. |
| **Conditions to avoid** | Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidising agents. Strong acids. |
| **Hazardous decomposition products** | Calcium oxides, carbon dioxide, and carbon monoxide. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Mechanical processing may generate dust. Gypsum dust has an irritant action on mucous membranes of the upper respiratory tract and eyes (1). |
| **Skin contact** | Under normal conditions of intended use, this material does not pose a skin hazard. Gypsum was not found to be a skin irritant (2). |
| **Eye contact** | Mechanical processing may generate dust. Direct contact with eyes may cause temporary irritation (1). |
| **Ingestion** | Not likely, due to the form of the product. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Under normal conditions of intended use, this material does not pose a risk to health. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | Low hazard. |
| **Skin corrosion/irritation** | Gypsum was not found to be a skin irritant (2). |
| **Serious eye damage/eye irritation** | Gypsum does not cause serious eye damage or irritation. |
| **Respiratory or skin sensitisation** | |
| **Respiratory sensitisation** | No data available, but based on results from the skin sensitization study, calcium sulfate is not expected to be a respiratory sensitizer. |
| **Skin sensitisation** | Not a skin sensitizer (2). |
| **Germ cell mutagenicity** | No evidence of mutagenic potential exists (3,4,5). |
| **Carcinogenicity** | No evidence of carcinogenic potential exists (6). |
| **Reproductive toxicity** | No evidence of reproductive toxicity exists (2). |
| **Specific target organ toxicity - single exposure** | Not toxic to lung tissue. |
| **Specific target organ toxicity - repeated exposure** | Not toxic to lung tissue (6). |
| **Aspiration hazard** | Due to the physical form of the product it is not an aspiration hazard. |
| **Further information** | Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. |

## 12. Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** Not applicable for the salt of inorganic compounds. Calcium sulfate dissolves in water without undergoing chemical degradation.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** Calcium sulfate has a low potential for adsorption to soil. If water is applied, gypsum dissolves and the calcium and sulfate ions are mobile and penetrate the subsoil (7).

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose of in accordance with federal, provincial and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** Not regulated.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

**TDG**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations**

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

## 16. Other information

**Issue date** 30-March-2016

**Revision date** -

| | |
|---|---|
| **Version No.** | 01 |
| **Further information** | Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe |
| **NFPA ratings** | Health: 1<br>Flammability: 0<br>Instability: 0 |
| **NFPA ratings** |  |
| **List of abbreviations** | NFPA: National Fire Protection Association. |
| **References** | 1. US National Library of Medicine (NLM) (1998). Hazardous Substances Data Bank (HSDB).<br>2. Tested by LG Life Science/Toxicology Center, Korea (2002). National Institute of Environmental Research (NIER).<br>3. Dopp E et al. (1995). Environ. Health Perspect. 103(3), 268-271.<br>4. Cremer H.H. et al. (1988). Wiss. Umwelt. 4, 202-205.<br>5. Fujita H et al. (1988). Kenkya Nenpo-Tokyo-Toritsu Eisei Kenkynsho. 39, 343-350.<br>6. Clouter et al. (1998). Inhal. Toxicol. 10, 3-14.<br>7. Shainberg et al. (1989). Advanced Soil Sci. 9, 1-111. |
| **Disclaimer** | This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. |

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **CGC Sheetrock® Brand All Purpose Drywall Compound**

**Other means of identification**

**SDS number** 61001010004

**Synonyms** Joint Compound (Ready-Mixed), Taping Compound, Mud, Finishing Compound

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** CGC Inc.

**Address** 350 Burnhamthorpe Road West, 5th Floor
Mississauga, Ontario L5B 3J1
A Subsidiary of USG Corporation

**Telephone** 1-800-387-2690

**Website** www.cgcinc.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statements**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with federal, provincial and local regulations.

**Other hazards** None known.

**Supplemental information** Not applicable.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Attapulgite | 12174-11-7 | < 5 |
| Magnesium carbonate | 546-93-0 | < 5 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas.
Raw materials in this product may contain respirable crystalline silica as an impurity. See Section 16 for further information.

## 4. First-aid measures

**Inhalation** Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

| | |
|---|---|
| **Skin contact** | Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists. |
| **Eye contact** | Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance. |
| **Ingestion** | Rinse mouth. Get medical attention if symptoms occur. |
| **Most important symptoms/effects, acute and delayed** | Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate throat and respiratory system and cause coughing. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | Not applicable. |
| **Specific hazards arising from the chemical** | Not a fire hazard. |
| **Special protective equipment and precautions for firefighters** | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **Specific methods** | Cool material exposed to heat with water spray and remove it if no risk is involved. |
| **General fire hazards** | No unusual fire or explosion hazards noted. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | See Section 8 of the SDS for Personal Protective Equipment. |
| **Methods and materials for containment and cleaning up** | Large Spills: Scoop spilled materials and recover as much of the product as possible for use. If spillage is unrecoverable dispose according to local, provincial, and federal regulations.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| **Environmental precautions** | Avoid discharge to drains, sewers, and other water systems. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Avoid inhalation of dust and contact with skin and eyes. Minimise dust generation and accumulation. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. Use proper lifting techniques. |
| **Conditions for safe storage, including any incompatibilities** | Store in a cool, dry, well-ventilated place. Store in a closed container away from incompatible materials. Protect from moisture. Keep away from heat. Do not use if material has spoiled, i.e., there is a mouldy appearance or an unpleasant odour. Keep containers closed when not in use.<br><br>Filled cartons and pails of joint compound may be stacked a maximum of 3 layers high on a pallet. Pallets may only be stacked a maximum of two high. |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components | Type | Value | Form |
|---|---|---|---|
| Magnesium carbonate (CAS 546-93-0) | TWA | 10 mg/m3 | Total dust. |

**Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)**

| Components | Type | Value | Form |
|---|---|---|---|
| Attapulgite (CAS 12174-11-7) | TWA | 1 fibers/cm3 | Fiber. |

**Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)**

| Components | Type | Value | Form |
|---|---|---|---|
| Magnesium carbonate (CAS 546-93-0) | TWA | 10 mg/m3 | Total dust. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimise the risk of exposure.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear approved safety goggles.

**Skin protection**

**Hand protection** It is a good industrial hygiene practice to minimise skin contact. For prolonged or repeated skin contact use suitable protective gloves.

**Other** Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Thermal hazards** None.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Semi-solid.

**Form** Paste.

**Colour** Off-white.

**Odour** Low to no odour.

**Odour threshold** Not applicable.

**pH** 7.5 - 9.9

**Melting point/freezing point** Not applicable.

**Initial boiling point and boiling range** Not applicable.

**Flash point** Not applicable.

**Evaporation rate** Not applicable.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not applicable.

**Flammability limit - upper (%)** Not applicable.

**Explosive limit - lower (%)** Not applicable.

**Explosive limit – upper (%)** Not applicable.

**Vapour pressure** Not applicable.

**Vapour density** Not applicable.

**Relative density** 1.4 - 1.8 (H2O=1)

**Solubility(ies)**

**Solubility (water)** Soluble in water.

**Partition coefficient (n-octanol/water)** Not applicable.

| | |
|---|---|
| **Auto-ignition temperature** | Not applicable. |
| **Decomposition temperature** | Not applicable. |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Bulk density** | 1.4 - 1.8 kg/l |
| **VOC (Weight %)** | 2 g/l |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerisation does not occur. |
| **Conditions to avoid** | None known. |
| **Incompatible materials** | None known. |
| **Hazardous decomposition products** | Above 800°C (1472°F) limestone ($CaCO_3$) can decompose to lime (CaO) and release carbon dioxide ($CO_2$). |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Airborne dust may irritate throat and upper respiratory system causing coughing. |
| **Skin contact** | May cause allergic skin reactions especially in individuals with pre-existing skin disease such as eczema. (See Section 16). |
| **Eye contact** | Airborne dust may cause mechanical eye irritation. |
| **Ingestion** | May cause discomfort if swallowed. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | Not expected to be a hazard under normal conditions of intended use. |
| **Skin corrosion/irritation** | Prolonged or repeated skin contact may cause drying, cracking, or irritation. |
| **Serious eye damage/eye irritation** | Direct contact with eyes may cause temporary irritation. |
| **Respiratory or skin sensitisation** | |
| **Respiratory sensitisation** | Not a respiratory sensitiser. |
| **Skin sensitisation** | The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.<br>For detailed information, see section 16. |
| **Germ cell mutagenicity** | Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| **Carcinogenicity** | This product is not expected to increase the risk of cancer. |

**Canada - Quebec OELs: Carcinogen category**

| | |
|---|---|
| Attapulgite (CAS 12174-11-7) | Detected carcinogenic effect in humans. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Attapulgite (CAS 12174-11-7) | 2B Possibly carcinogenic to humans.<br>3 Not classifiable as to its carcinogenicity to humans. |

| | |
|---|---|
| **Reproductive toxicity** | Not expected to be a reproductive hazard. |
| **Specific target organ toxicity - single exposure** | No data available, but none expected. |
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | Not an aspiration hazard. |
| **Chronic effects** | Prolonged exposure may cause chronic effects. For detailed information, see section 16. |
| **Further information** | No additional adverse health effects noted. |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data available.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** No data available.

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose of in accordance with federal, provincial and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** Not regulated.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

**TDG**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations**

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

## 16. Other information

**Issue date** 17-March-2016

**Revision date** -

**Version No.** 01

**Further information**

Attapulgite: Carcinogenic to experimental animals via a route of exposure not relevant to human exposure per ACGIH.

Skin Sensitization Potential: This product contains an amount of Triazinetriethanol (THT) (CAS No. 4719-04-4) that is within the approved EPA regulated limits. THT can act as a sensitizer. Numerous human studies with concentrations up to 1% yielded negative (no sensitization) results. However, some results showed positive reactions in concentrations <0.5% mostly in persons with eczema.

Crystalline silica: Raw materials in this product may contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica in this product is < 0.1%. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer

Bucket NFPA Classification:
Health: 0
Flammability: 1
Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA ratings**

Health: 1
Flammability: 0
Instability: 0

**NFPA ratings**


**List of abbreviations**

ACGIH: American Conference of Governmental Industrial Hygienists.
NFPA: National Fire Protection Association.
RTECS: Registry of Toxic Effects of Chemical Substances.

**References**

Registry of Toxic Effects of Chemical Substances (RTECS)
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
Torben et al. (2001). Environmental and Health Assessment of Substances in Household Detergents and Cosmetic Products.

**Disclaimer**

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

# SAFETY DATA SHEET

**Issue Date** 20-Dec-2015 **Revision Date** 20-Dec-2015 **Version** 1

## 1. IDENTIFICATION

**Product identifier**
**Product Name** BAKOR 230-21 RIGID INSULATION ADHESIVE AND VAPOUR BARRIER

**Other means of identification**
**Product Code** BK23021
**UN/ID no** UN1133
**Synonyms** None

**Recommended use of the chemical and restrictions on use**
**Recommended Use** Adhesives and/or sealants
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**
**Manufacturer Address**
HENRY COMPANY
999 N. Sepulveda Blvd., Suite 800
El Segundo, CA 90245-2716
Web Site: www.henry.com www.ca.henry.com

**Emergency telephone number**
**Company Phone Number** 800-486-1278
**Emergency Telephone** CHEMTREC: 800-424-9300
CHEMTREC: 703-527-3887
CANUTEC: 613-966-6666

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 2 |

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness
Highly flammable liquid and vapor

**Appearance** cream paste **Physical state** liquid **Odor** Strong Solvent

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**
Store in a well-ventilated place. Keep container tightly closed
Store locked up

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**
Not applicable

**Other Information**
Toxic to aquatic life with long lasting effects.

**Unknown acute toxicity**
68.59476209% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**
Not applicable

**Mixture**

| Chemical Name | CAS No | Weight-% |
|---|---|---|
| Limestone * | 1317-65-3 | 30 - 60 |

| | | |
|---|---|---|
| 2-Methylpentane * | 107-83-5 | 10 - 30 |
| Synthetic Polymer Blend * | Proprietary | 7 - 13 |
| Polymer Blend * | Proprietary | 3 - 7 |
| Paraffin oils * | 8012-95-1 | 1 - 5 |
| Fullers earth * | 8031-18-3 | 1 - 5 |
| Bentonite * | 1302-78-9 | 1 - 5 |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

## 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.

**Eye contact** Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.

**Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.

**Ingestion** Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.

**Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** May cause redness and tearing of the eyes. Coughing and/ or wheezing. May cause skin irritation. Drowsiness. Dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Keep victim warm and quiet. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO2, sand, earth, water spray or regular foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**
Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Explosion data**
**Sensitivity to Mechanical Impact** None.
**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**
Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up**

**Methods for containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong acids. Strong oxidizing agents. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** .

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Limestone<br>1317-65-3 | - | TWA: 15 mg/m³ total dust<br>TWA: 5 mg/m³ respirable fraction | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust |
| Paraffin oils<br>8012-95-1 | TWA: 5 mg/m³ inhalable fraction excluding metal working fluids, highly & severely refined TWA: 5 mg/m³ inhalable fraction excluding metal working fluids | TWA: 5 mg/m³ | IDLH: 2500 mg/m³<br>TWA: 5 mg/m³<br>STEL: 10 mg/m³ |
| Bentonite<br>1302-78-9 | TWA: 1 mg/m³ respirable fraction | - | - |

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Controls**

Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical state** | liquid | | |
| **Appearance** | cream paste | **Odor** | Strong Solvent |
| **Color** | white beige | **Odor threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | No information available | |
| **Melting point / freezing point** | No information available | |
| **Boiling point / boiling range** | > 44 °C / 111 °F | |
| **Flash point** | < -18 °C / 0 °F | Tag Closed Cup |
| **Evaporation rate** | > 1 | |
| **Flammability (solid, gas)** | No information available | |
| **Flammability Limit in Air** | | |
| **Upper flammability limit:** | 7 | |
| **Lower flammability limit:** | 1.2 | |
| **Vapor pressure** | 23.5 kPa | @ 25 °C |
| **Vapor density** | ~3 | |
| **Relative density** | 1.2 | |
| **Water solubility** | Insoluble in water | |
| **Solubility in other solvents** | No information available | |
| **Partition coefficient** | No information available | |
| **Autoignition temperature** | 254 °C / 489 °F | |
| **Decomposition temperature** | No information available | |
| **Kinematic viscosity** | > 100 mm2/s | @ 40 °C |
| **Dynamic viscosity** | No information available | |
| **Explosive properties** | Not an explosive | |
| **Oxidizing properties** | Not applicable | |

**Other Information**

| | |
|---|---|
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **VOC Content (%)** | No information available |
| **Density** | No information available |
| **Bulk density** | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**
Stable under recommended storage conditions.
**Possibility of Hazardous Reactions**
None under normal processing.
**Conditions to avoid**
Heat, flames and sparks. Incompatible materials.
**Incompatible materials**
Strong acids. Strong oxidizing agents. Strong bases.
**Hazardous Decomposition Products**
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Inhalation** May cause drowsiness or dizziness.

**Eye contact** Irritating to eyes.

**Skin contact** Irritating to skin.

**Ingestion** No data available.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Paraffin oils 8012-95-1 | > 24 g/kg ( Rat ) | - | = 2062 ppm ( Rat ) 4 h |
| Bentonite 1302-78-9 | > 5000 mg/kg ( Rat ) | - | - |

**Information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes. Vapors may cause drowsiness and dizziness. Coughing and/ or wheezing. May cause skin irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.
**Germ cell mutagenicity** No information available.
**Carcinogenicity** The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex I. The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Polymer Blend | - | Group 3 | - | - |
| Paraffin oils 8012-95-1 | A2 | Group 1 Group 3 | - | X |

*ACGIH (American Conference of Governmental Industrial Hygienists)*
*A2 - Suspected Human Carcinogen*
*IARC (International Agency for Research on Cancer)*
*Group 1 - Carcinogenic to Humans*
*Not classifiable as a human carcinogen*
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
*X - Present*

**Reproductive toxicity** No information available.
**STOT - single exposure** Target Organs. Respiratory system. Central nervous system.
**STOT - repeated exposure** No information available.
**Chronic toxicity** Avoid repeated exposure.
**Target Organ Effects** Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system,

Skin.

**Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**The following values are calculated based on chapter 3.1 of the GHS document** .

**ATEmix (oral)** 72,351.00 mg/kg
**ATEmix (inhalation-dust/mist)** 99,999.00 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
Toxic to aquatic life with long lasting effects

34.56195 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**
No information available.

**Bioaccumulation**
No information available.

**Other adverse effects**
No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. TRANSPORT INFORMATION

**DOT**

**UN/ID no** UN1133
**Proper shipping name** Adhesives
**Hazard Class** 3
**Packing Group** II
**Special Provisions** 149, B52, IB2, T4, TP1, TP8
**Description** UN1133, Adhesives, 3, II
**Emergency Response Guide Number** 128

**TDG**

**UN/ID no** UN1133
**Proper shipping name** Adhesives
**Hazard Class** 3
**Packing Group** II
**Description** UN1133, Adhesives, 3, II

**IATA**

| | |
|---|---|
| **UN/ID no** | UN1133 |
| **Proper shipping name** | Adhesives |
| **Hazard Class** | 3 |
| **Packing Group** | II |
| **ERG Code** | 3L |
| **Special Provisions** | A3 |
| **Description** | UN1133, Adhesives, 3, II |

**IMDG**

| | |
|---|---|
| **UN/ID no** | UN1133 |
| **Proper shipping name** | Adhesives |
| **Hazard Class** | 3 |
| **Packing Group** | II |
| **EmS-No** | F-E, S-D |
| **Description** | UN1133, Adhesives, 3, II, (-18°C c.c.) |

## 15. REGULATORY INFORMATION

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |
| **EINECS/ELINCS** | Complies |
| **IECSC** | Complies |
| **KECL** | Complies |
| **PICCS** | Complies |
| **AICS** | Complies |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute health hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire hazard** | Yes |
| **Sudden release of pressure hazard** | No |
| **Reactive Hazard** | No |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|---|---|
| Quartz - 14808-60-7 | Carcinogen |

**U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Limestone<br>1317-65-3 | X | X | X |
| 2-Methylpentane<br>107-83-5 | X | X | X |
| Paraffin oils<br>8012-95-1 | X | X | X |
| Quartz<br>14808-60-7 | X | X | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health hazards** 2 | **Flammability** 3 | **Instability** 0 | **Physical and Chemical Properties** - |
| **HMIS** | **Health hazards** 2 | **Flammability** 3 | **Physical hazards** 0 | **Personal protection** X |

**Issue Date** 20-Dec-2015
**Revision Date** 20-Dec-2015
**Revision Note**
No information available

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **CGC Sheetrock® Brand UltraLight Panels**

**Other means of identification**

**SDS number** 54001000501

**Synonyms** Gypsum Panels, Drywall, Plasterboard, Wallboard

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** CGC Inc.

**Address** 350 Burnhamthorpe Road West, 5th Floor
Mississauga, Ontario L5B 3J1
A Subsidiary of USG Corporation

**Telephone** 1-800-387-2690

**Website** www.cgcinc.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statements**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with federal, provincial and local regulations.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

The components are not hazardous or are below required disclosure limits.

**Composition comments** The gypsum used to manufacture these panels contains respirable crystalline silica ranging up to 2.4 percent by weight, depending on source, as indicated by bulk sampling methods. Industrial hygiene testing using both personal and area sampling measured no detectable respirable crystalline silica when cutting the product by “score and snap,” rotary saw, or circular saw. Good work practices which minimize the extent of dust generation should be followed.

## 4. First-aid measures

**Inhalation** Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Skin contact** Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

**Eye contact** Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

| | |
|---|---|
| **Ingestion** | Rinse mouth. Get medical attention if symptoms occur. |
| **Most important symptoms/effects, acute and delayed** | Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate throat and respiratory system and cause coughing. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | Not applicable. |
| **Specific hazards arising from the chemical** | Not a fire hazard. |
| **Special protective equipment and precautions for firefighters** | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **Specific methods** | Cool material exposed to heat with water spray and remove it if no risk is involved. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | See Section 8 of the SDS for Personal Protective Equipment. |
| **Methods and materials for containment and cleaning up** | No specific clean-up procedure noted. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Avoid discharge to drains, sewers, and other water systems. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Use work methods which minimise dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. When moving board with a forklift or similar equipment, it is essential that the equipment be rated capable of handling the loads. The forks should always be long enough to extend completely through the width of the load. Fork spacing between supports should be one half the length of the panels or base being handled so that a maximum of 4' extends beyond the supports on either end.<br><br>Follow traditional building practices; such as management of water away from the interior of the structure to avoid the growth of mold, mildew and fungus. Remove any building products suspected of being exposed to sustained moisture and considered conducive to mold growth from the job site. Gypsum panels are very heavy, awkward loads posing the risk of severe back injury. Use proper lifting techniques. |
| **Conditions for safe storage, including any incompatibilities** | Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Protect product from physical damage. Protect from weather and prevent exposure to sustained moisture. Gypsum Association literature (GA-801-07) recommends storing board flat to avoid damaging edges, warping the board and the potential safety hazards of the board falling over. However, in other situations, storing the board flat may cause a tripping hazard or exceed floor limit loads. If stacking board vertically, leave at least 4 inches from the wall to decrease the risk of falling board and no more than 6 inches to avoid too much lateral weight against the wall. |

## 8. Exposure controls/personal protection

| | |
|---|---|
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate engineering controls** | Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimise the risk of exposure. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Wear approved safety goggles. |

| | |
|---|---|
| **Skin protection** | |
| **Hand protection** | It is a good industrial hygiene practice to minimise skin contact. For prolonged or repeated skin contact use suitable protective gloves. |
| **Other** | Normal work clothing (long sleeved shirts and long pants) is recommended. |
| **Respiratory protection** | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use. Observe any medical surveillance requirements. |
| **Thermal hazards** | None. |
| **General hygiene considerations** | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | Paper faced with gypsum core. |
| **Physical state** | Solid. |
| **Form** | Panel. |
| **Colour** | Gray to off-white. |
| **Odour** | Low to no odour. |
| **Odour threshold** | Not applicable. |
| **pH** | 6 - 8 |
| **Melting point/freezing point** | Not applicable. |
| **Initial boiling point and boiling range** | Not applicable. |
| **Flash point** | Not applicable. |
| **Evaporation rate** | Not applicable. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not applicable. |
| **Flammability limit - lower (%) temperature** | Not applicable. |
| **Flammability limit - upper (%)** | Not applicable. |
| **Flammability limit - upper (%) temperature** | Not applicable. |
| **Explosive limit - lower (%)** | Not applicable. |
| **Explosive limit - lower (%) temperature** | Not applicable. |
| **Explosive limit – upper (%)** | Not applicable. |
| **Explosive limit - upper (%) temperature** | Not applicable. |
| **Vapour pressure** | Not applicable. |
| **Vapour density** | Not applicable. |
| **Relative density** | 2.32 (Gypsum) (H2O=1) |
| **Solubility(ies)** | |
| **Solubility (water)** | 0.26 g/100 g (H2O) |
| **Partition coefficient (n-octanol/water)** | Not applicable. |
| **Auto-ignition temperature** | Not applicable. |

| | |
|---|---|
| **Decomposition temperature** | 1450 °C (2642 °F) |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Bulk density** | 550 kg/m³ (34 lb/ft3) |
| **Explosive limit** | Not applicable. |
| **Flammability** | Not applicable. |
| **Flammability class** | Not applicable. |
| **Particle size** | Varies. |
| **VOC (Weight %)** | 0 % |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non reactive under normal conditions of storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerisation does not occur. |
| **Conditions to avoid** | Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidising agents. Strong acids. |
| **Hazardous decomposition products** | Calcium oxides, carbon dioxide, and carbon monoxide. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Mechanical processing may generate dust. Gypsum dust has an irritant action on mucous membranes of the upper respiratory tract and eyes (1). |
| **Skin contact** | Under normal conditions of intended use, this material does not pose a skin hazard. Gypsum was not found to be a skin irritant (2). |
| **Eye contact** | Mechanical processing may generate dust. Direct contact with eyes may cause temporary irritation (1). |
| **Ingestion** | Not likely, due to the form of the product. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Under normal conditions of intended use, this material does not pose a risk to health. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | Low hazard. |
| **Skin corrosion/irritation** | Gypsum was not found to be a skin irritant (2). |
| **Serious eye damage/eye irritation** | Gypsum does not cause serious eye damage or irritation. |
| **Respiratory or skin sensitisation** | |
| **Respiratory sensitisation** | No data available, but based on results from the skin sensitization study, calcium sulfate is not expected to be a respiratory sensitizer. |
| **Skin sensitisation** | Not a skin sensitizer (2). |
| **Germ cell mutagenicity** | No evidence of mutagenic potential exists (3,4,5). |
| **Carcinogenicity** | No evidence of carcinogenic potential exists (6). |
| **Reproductive toxicity** | No evidence of reproductive toxicity exists (2). |
| **Specific target organ toxicity - single exposure** | Not toxic to lung tissue. |
| **Specific target organ toxicity - repeated exposure** | Not toxic to lung tissue (6). |
| **Aspiration hazard** | Due to the physical form of the product it is not an aspiration hazard. |
| **Further information** | Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. |

## 12. Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** Not applicable for the salt of inorganic compounds. Calcium sulfate dissolves in water without undergoing chemical degradation.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** Calcium sulfate has a low potential for adsorption to soil. If water is applied, gypsum dissolves and the calcium and sulfate ions are mobile and penetrate the subsoil (7).

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose of in accordance with federal, provincial and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** Not regulated.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

**TDG**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations**

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

## 16. Other information

**Issue date** 30-March-2016

**Revision date** -

| | |
|---|---|
| **Version No.** | 01 |
| **Further information** | Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe |
| **NFPA ratings** | Health: 1<br>Flammability: 0<br>Instability: 0 |
| **NFPA ratings** |  |
| **List of abbreviations** | NFPA: National Fire Protection Association. |
| **References** | 1. US National Library of Medicine (NLM) (1998). Hazardous Substances Data Bank (HSDB).<br>2. Tested by LG Life Science/Toxicology Center, Korea (2002). National Institute of Environmental Research (NIER).<br>3. Dopp E et al. (1995). Environ. Health Perspect. 103(3), 268-271.<br>4. Cremer H.H. et al. (1988). Wiss. Umwelt. 4, 202-205.<br>5. Fujita H et al. (1988). Kenkya Nenpo-Tokyo-Toritsu Eisei Kenkynsho. 39, 343-350.<br>6. Clouter et al. (1998). Inhal. Toxicol. 10, 3-14.<br>7. Shainberg et al. (1989). Advanced Soil Sci. 9, 1-111. |
| **Disclaimer** | This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. |

CertainTeed
SAINT-GOBAIN

# MATERIAL SAFETY DATA SHEET

## Section I - Product and Company Information

**Product Group:** Finishing Products, Corner Reinforcement Products

**Product Use:** Drywall corner bead reinforcement

**Manufacturer:**

**Manufactured by:**
Structus Building Technologies Inc.
P.O. Box 5937
Bend, OR 97708

**Manufactured for:**

CertainTeed Gypsum Inc.
4300 W. Cypress St., Ste. 500
Tampa, FL 33607 USA
Web Site: www.certainteed.com

CertainTeed Gypsum Canada, Inc.
2424 Lakeshore Road West
Mississauga, Ontario Canada L5J 1K4
Web Site: www.certainteed.com

**Phone Number:**

Professional: 800-233-8990
Consumer: 800-782-8777

Professional: 800-233-8990
Consumer: 800-782-8777

**Product Name:** AquaBead® Corner Bead
EasyFlex™ Flexible Corner Bead

**24 Hour Emergency Phone:** **888-662-6281**

## Section II - Hazard Ingredients

Chemical & Common Name Case Number OSHA-PEL ACGIH – TLV
Paper Dust Fiber None 5 mg/$m^3$ – PEL 5mg/$m^3$ – TLV
10mg/$m^3$ – STEL

***NOTE:** Although Agency and court decision(s) could affect these values; the Company will continue to utilize these values as the MSDS PEL.

## Section III - Physical Propertied Description

Rolls or sheet of various size, color (usually white to off white), and thickness with various coating, inks, dyes, fillers, etc. composed of bleached wood fibers, (both softwood and hardwood mixed) which provide properties as required by customer. Product as supplied by the Company does not emit paper dust fiber in levels requiring inclusion on the MSDS; however, subsequent remanufacturing could release paper dust fibers.

**PHYSICAL DATA**

| | |
|---|---|
| **Boiling Point:** | N/A |
| **Specific Gravity:** | Various (dependent on wood species and moisture content) |
| **Vapor Density:** | N/A |
| **% Volatiles by Volume:** | N/A |
| **Melting Point:** | N/A |
| **Solubility in $H_2O$ (% by Wt.)** | Insoluble |
| **Evaporation Rate (Butyl Acetate = 1):** | N/A |
| **pH:** | N/A |
| **Appearance and Odor:** | White to many different colors, etc (see description in Section III) |

## Section IV - Fire And Exposion Data

| | |
|---|---|
| **Flash Point:** | N/A |
| **Auto Ignition Temperature:** | 400-500° F |
| **Flammable Limits in Air:** | N/A |
| **Extinguishing Media:** | Water spray, Carbon Dioxide, Foam |
| **Special Fire Fighting Procedures:** | Fire fighting for wood products are well known |
| **Unusual Fire and Explosion Hazard:** | Paper does not present a fire and explosion hazard. Cutting or machining of the product could result in the creation of paper dust fiber. Paper dust fiber may present a strong to severe explosion hazard it a dust cloud contacts an Ignition source. According to data contained in NFPA's Standards, 0.04 ounce per cubic foot is the minimum explosive concentration for wood flour and 40 grams/$m^3$ LEL for wood dust. Paper Dust Fiber would exhibit similar properties. |

## Section V - Health Hazard Data

| | |
|---|---|
| **Skin and Eye Contact:** | Flush with water for 15 minutes |
| **Inhalation:** | Remove to fresh air exposed to dust |
| **Chronic Effects:** | Dust may be a mechanical irritant to eyes. Excessive concentration may cause deposit in nasal passages resulting in rhino rhea, dry cough, wheezing, and sinusitis. Should irritation occur and persist consult a physician. |

## Section VI - Reactivity Data

| | |
|---|---|
| **Stability:** | Stable |
| **Inhalation (materials to avoid):** | Strong oxidizing agents, strong acids |
| **Hazardous Decomposition Products:** | Thermal and/or thermal-oxidative decomposition can produce irritating and/or toxic fumes and gases, including CO, aldehydes and organic acids. |
| **Conditions Contributing to Hazardous Polymerization:** | Will not occur. |

## Section VII - Special Protection Information

| | |
|---|---|
| **Respiratory Protection:** | Not required for normal use of the product in normally shipped form. However, the wearing of NIOSH approved breathing protection, for exposure to dust generated from cutting, etc. may be necessary. Respirators are required if air containers exceed OSHA PEL. |
| **Ventilation:** | Local Exhaust: Necessary to remove dust in cutting and machining processes. Mechanical: Ventilate to assure that paper dust fiber levels are below OSHA PEL. |
| **Eye Protection:** | Wear appropriate eye protection and/or side shield safety glasses when handling product and/or cutting or machining processes. |

## Section VIII - Regulatory Information

**CALIFORNIA PROP 65:**

Safe Drinking Water Toxic Enforcement Act (and other similar regulations). California Prop 65 provides for the labeling and disclosure of the presence of chemical(s) known to the State of California to cause cancer or reproductive toxicity. This product does not contain any chemicals, which are on the list and/or present any significant risk. Should the status change in the future, an updated MSDS will be provided.

**SARA 313:**

This product does not contain chemical(s) in concentrations, which should not require reporting under **SARA** section 313.

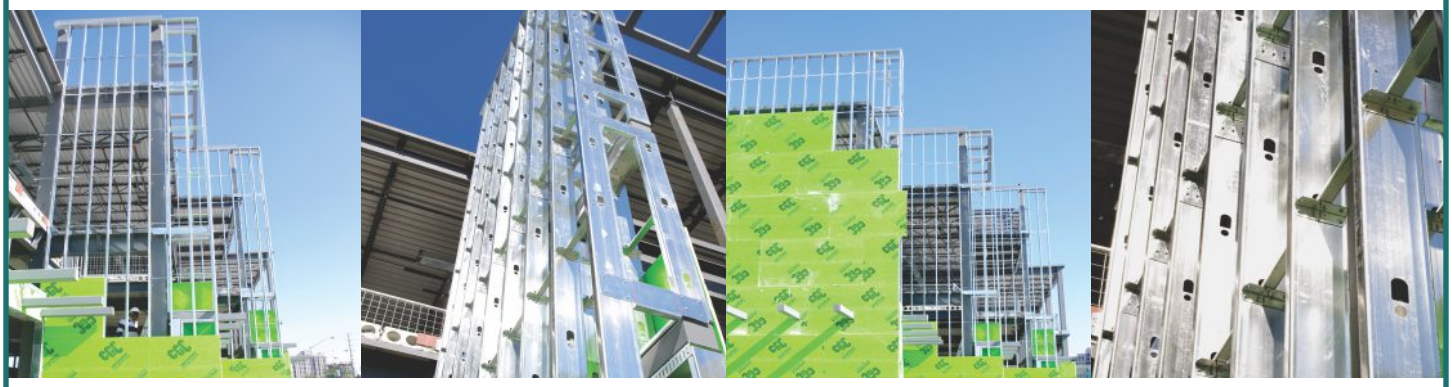
**Important:**

Structus Building Technologies Inc. believes the information contained within to be accurate at the time of preparation and has been complied using sources believed to be reliable. However, Structus Building Technologies Inc. makes no warranty, either expressed or implied concerning the accuracy or completeness of the information presented. It is the responsibility of the user to comply with local, state or federal regulations concerning use of this product. It is the further responsibility of the buyer to research and understand safe methods of use, storage, handling and disposal of this product.

BAILEY®
METAL PRODUCTS LIMITED

# PRODUCT DATA SHEET

# BAILEY COLD-FORMED STEEL C-STUDS



## Cold-Formed Steel C-Studs

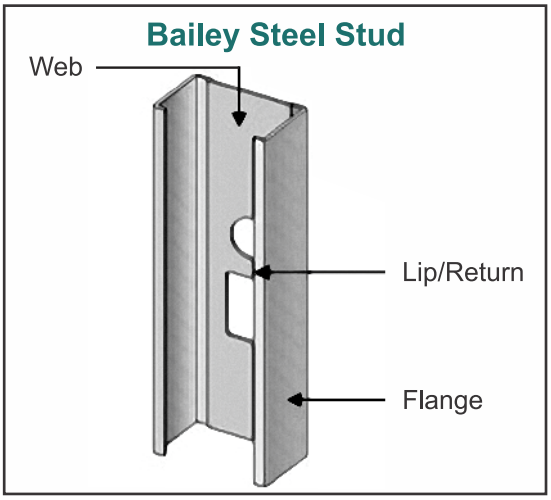
There are two types of Cold Formed Steel C-Studs:

- *Structural – Axial loadbearing and wind bearing (ALS)*
- *Non-Structural – Interior non-loadbearing (NLB)*

Bailey standard steel studs are made in a variety of flange widths and steel thicknesses to meet different applications:

- *Standard stud web sizes: 1-5/8", 2-1/2", 3-5/8", 4", 6", 8"*
- *Flange sizes: 1-1/4", 1-5/8", 2", 2-1/2", 3"*
- *Gauges: 25ga, 20ga, 18ga, 16ga, 14ga, 12ga*
- *Structural steel yield strengths: 33ksi yield strength steel will be specified for 33mils (20ga) & 43mils (18ga). 50ksi yield strength steel will be specified for 54mils (16ga), 68mils (14ga), and 97mils (12ga)*
- *Standard coating: G40 – Non-structural, G60 – Structural (G90 available)*
- *Additional member depths of 10", 12", 14" are also available (common for joists)*
- *All studs are colour coded for easy identification*

### Bailey Steel Stud




**Example: 600S 162-54**

Member depth in 1/100ths inches.
Thus 600 means 600/100 = 6"

**600 S**

**Style:**
S = Stud or joist sections
T = Track sections
U = Channel sections
F = Furring channel sections

Flange width in 1/100ths inches.
Thus 162 means 162/100 = 1.625" or 1-5/8"

**162 - 54**

Minimum thickness in 1/1000ths inches.
Thus 54 means 54/1000 = 0.54"

## Design Lip Length for C-Shape Studs & Joists

| Section | Flange Width | | Design Lip/Return Length | |
|---|---|---|---|---|
| | (inches) | (mm) | (inches) | (mm) |
| S125 | 1.25 | 31.8 | 3/16 | 4.8 |
| S162 | 1.62 | 41.3 | 1/2 | 12.7 |
| S200 | 2.00 | 50.8 | 5/8 | 15.9 |
| S250 | 2.50 | 63.5 | 5/8 | 15.9 |
| S300 | 3.00 | 76.2 | 5/8 | 15.9 |

BAILEY®
METAL PRODUCTS LIMITED

# PRODUCT DATA SHEET

# BAILEY COLD-FORMED STEEL C-STUDS

## Cold-Formed Steel C-Studs

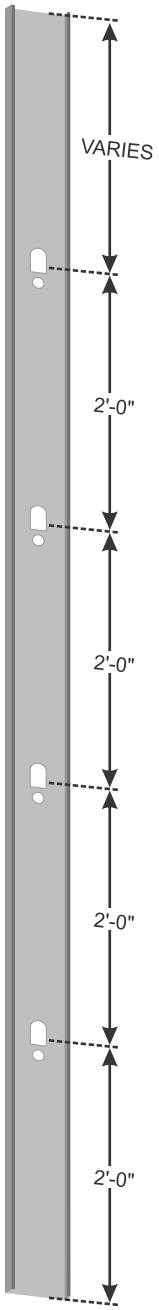
**S125**: members have a 1-1/4” flange and a 3/16” return. S125 members are common for interior framing applications.

**S162**: members have a 1-5/8” flange and a 1/2” return and are considered the industry standard. S162 members are preferred for most curtain wall applications. They also provide the vertical strength necessary for demanding loadbearing structural applications and sufficient strength for many joist applications.

**S200**: members have a 2” wide flange and a 5/8” return that provides a larger bearing surface for attaching sub-flooring or sheathing materials. This framing member is also used in axial loadbearing wall assemblies.

**S250**: members have a 2-1/2” wide flange and a 5/8” return and are used in floor joist assemblies and heavy loading conditions.

**S300**: members have a 3” flange and a 5/8” return and are used in very heavy loading and long span conditions.




## Knockouts

Unless specified otherwise by the customer at time of order, Bailey knockouts (perforations) shall comply with the following conditions:

- *Knockouts shall be spaced along the centerline of the web of the framing member;*
- *Knockouts shall have a center-to-center spacing of not less than 2 feet (600mm);*
- *Maximum knockout width shall be half the member depth or 2-1/2" (63.5mm), whichever is less;*
- *The distance from the center of the last knockout to the end of the member shall not be less than 12 inches (305mm), unless otherwise specified.*

Asthma.ca
Asthma Society of Canada

## Benefits of the Bailey Knockout

- *Specifically designed to allow for rapid installation of pipes, electrical conduit and wall bridging*
- *Round service holes allow for the use of CSA approved plastic grommets for wiring*
- *Flat bottom knockout design allows for a tight 'friction fit' of the bridging channel and facilitates easier installation of the bridging clips*
- *The standard knockout pattern, punched at regular intervals (24” O.C.) allows insulation bats to easily fit around bridging without any cutting or alterations.*

EcoLogo

STEEL

## Special Orders

Custom spacing of the service holes is available upon request. Please specify knockout locations at time of order. Note: Knockouts are punched from the bottom of the stud first. To avoid any confusion at the time of order please remember this when specifying special knockout locations.

***For more information about Bailey’s entire line of Cold-Formed Steel C-Studs and other lightweight steel framing products, visit our website at www.bmp-group.com.***

***DESIGN & BUILD WITH CONFIDENCE - BAILEY PRODUCTS COMPLY WITH ALL APPLICABLE CODES & INDUSTRY STANDARDS***


**MONTREAL**
Dorval, QC
Tel: 514-735-3455
Toll Free: 1-800-263-3455
Fax: 514-735-5052

**TORONTO**
Concord, ON
Tel: 905-738-9267
Toll Free: 1-800-668-2154
Fax: 905-738-5712

**CALGARY**
Calgary, AB
Tel: 403-248-3536
Toll Free: 1-800-665-2013
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**EDMONTON**
Edmonton, AB
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Toll Free: 1-800-563-1751
Fax: 780-450-3378

**VANCOUVER**
Surrey, BC
Tel: 604-590-5100
Toll Free: 1-800-818-2666
Fax: 604-599-5371

BMP
ASSOCIATED GROUP OF COMPANIES

sales@bmp-group.com ◆ www.bmp-group.com

ROXUL®
The Better Insulation™

# Material Safety Data Sheet

# Material Name: Mineral Wool Insulation

## 1. Identification:

1.1 Product Generic Name: Mineral Wool Insulation

1.2 Product Use: Commercial, Industrial, Residential, and Marine Insulation

1.3 Products:
AFB®, CAVITYROCK®, COMFORTBATT®, COMFORTBOARD™, CONROCK®, CURTAINROCK®, DRAINBOARD®, ENERWRAP®, FABROCK™, FIREWALL®, MONOBOARD®, ProRox®, RHM®, RHT®, ROCKBOARD®, ROCKFILL™, ROXUL Plus®, SAFE®, SAFE'n'SOUND®[1], SeaRox®, STURDIROCK®, TECHTON 1200®, TECHTON 1200® MARINE, TOPROCK®

1.4 Company Address:
ROXUL Inc.
420 Bronte St. S.
Suite 105
Milton, Ontario
Canada
L9T 0H9

1.5 Web Site: www.roxul.com

1.6 If further information is required, please call or fax ROXUL Inc.
Telephone: 1-800-265-6878 or 905-878-8474 Fax: 905-878-8077

1. SAFE'n'SOUND® is a registered Trademark used under license by ROXUL Inc.

## 2. Information on Ingredients:

| Ingredient Name | CAS Number | % |
|---|---|---|
| Mineral Fiber | RN 65997-17-3 | 94-99 |
| Cured Urea Extended Phenolic Formaldehyde Binder | 25104-55-6 | 1-6 |

## 3. Hazards Identification:

3.1 Appearance and Odor: Grey, green, brown fibrous batt, blanket, preformed pipe or board.

3.2 Emergency Overview: Acrid smoke may be generated during a fire.

Exposure to dust may be irritating to the eyes, nose and throat.

3.3 Potential Health Effects:

3.3.1 Inhalation: Temporary mechanical irritation of the upper respiratory tract (scratchy throat, coughing, congestion) may result from exposures to dusts and fibers in excess of applicable exposure limits.

3.3.2 Skin Contact: Dusts and fibers may cause temporary mechanical irritation (itching) or redness to the skin.

3.3.3 Eye Contact: Dusts and fibers may cause temporary mechanical irritation (itching) or redness to the eyes.

3.3.4 Ingestion: Ingestion of this product is unlikely and not intended under normal conditions of use. Ingestion of this product may cause gastrointestinal irritation.

3.3.5 Existing Medical Conditions: Pre-existing chronic eye, skin and respiratory conditions may temporarily worsen due to exposure to dusts and fibers.

## 4. First-Aid Measures:

4.1 Inhalation: If irritation occurs, remove the affected person to fresh air. Drink water, and blow nose, to clear dusts and fibers from throat and nose. If irritation persists, consult a physician.

4.2 Skin: If irritation occurs, do not rub or scratch. Rinse under running water prior to washing with mild soap and water. Use a washcloth to help remove fibers. If irritation persists, consult a physician.

4.3 Eyes: If irritation occurs, flush eyes with plenty of water for at least 15 minutes. Do not rub the eyes. Consult a physician if irritation persists.

4.4 Ingestion: Ingestion of this product is unlikely and not intended under normal conditions of use. If it does occur, rinse mouth with plenty of water to help remove dust and fibers, and drink plenty of water to help reduce potential gastrointestinal irritation. Do not induce vomiting unless directed to do so by a physician.

## 5. Fire-Fighting Measures:

The products are non-combustible and do not pose a fire hazard. However, packaging material may burn.

| | | |
|---|---|---|
| 5.1 | Suitable extinguishing media: | Water, foam, carbon dioxide or dry powder |
| 5.2 | Extinguishing media which must not be used for safety reasons: | None |
| 5.3 | Combustion products: | Carbon dioxide, carbon monoxide and trace gases |
| 5.4 | Special protective equipment for fire-fighters: | Observe normal fire fighting procedures |
| 5.5 | Flash point: None | Flash Point Method Used: Not Applicable |
| | Upper Flammable Limit (UFL): Not Applicable | Lower Flammable Limit: Not Applicable |
| | Autoignition: Not Applicable | Explosive Properties: Not Applicable |

## 6. Accidental Release Measures:

6.1 Containment Procedures: Pick up large pieces and scoop up dusts and fibers after they have settled out of air. These materials will disperse and settle along the bottom of waterways and ponds. It cannot easily be removed once it is waterborne, but is considered non-hazardous in water.

6.2 Cleanup Procedures: Use OSHA-recommended work practices and protective equipment as described in Section 8 of this Material Safety Data Sheet. Avoid generating airborne dusts and fibers during cleanup. Do not use compressed air. Vacuum dusts and fibers. Place material in an appropriate container for disposal as non-hazardous waste.

6.3 Response Procedures: Isolate area. Keep unnecessary personnel away. If dry methods or compressed air are used to collect dusts and fibers, all personnel in the area should wear OSHA-approved protective equipment (see Section 8 of this Material Safety Data Sheet).

## 7. Handling and Storage:

7.1 General Precautions:

- Utilize OSHA-recommended work practices and protective equipment when using the products (see Section 8 of this Material Safety Data Sheet).

7.2 Handling:

- Unpack material at application site to avoid unnecessary handling of product.
- Keep work areas clean. Avoid unnecessary handling of scrap material and debris by placing such materials in suitable containers, which should be kept as close to the work area as possible.
- Ensure good ventilation. Local exhaust ventilation may be required if the method of use produces dust levels which exceed applicable exposure limits (see Section 8 of this Material Safety Data Sheet).
- Avoid excessive eye and skin contact with dusts and fibers.
- Use recommended cleanup procedures to avoid buildup of dusts and fibers in the work area.

7.3 Storage:

- Keep material in original packaging until it is to be used.
- Store material to protect against adverse conditions including precipitation.

## 8. Exposure Controls/Personal Protection:

8.1 Exposure Guidelines:

8.1.1 General Product Information: Follow all applicable exposure limits. Local regulations may apply. Roxul recommends that users of the products adhere to the OSHA-recommended PEL of 1 f/cc TWA (fibers longer than 5 μm with diameters less than 3 μm). This recommended PEL, together with recommended work practices and personal protective equipment, were adopted in a Health and Safety Partnership Program (HSPP) agreement in 1999 between OSHA and the North American Insulation Manufacturers Association (NAIMA), of which Roxul is a member. Adherence to the OSHA-recommended PEL, work practices and protective equipment in the HSPP is expected to provide appropriate protection against all inhalation-related health risks that may be associated with exposures to mineral wool fibers (ACGIH 1997; NAIMA 1999; OSHA 1999; National Research Council 2000, IARC 2001), and to minimize eye and skin irritation.

8.1.2 Component Exposure Limits:

| Source | Legal or Recommended Exposure Limit | Exposure |
|---|---|---|
| OSHA | 1 f/cc TWA (recommended) | Synthetic Vitreous Fibers, > 5 μm length, < 3 μm diameter |
| ACGIH | 1 f/cc TWA (threshold limit value – TLV) | Synthetic Vitreous Fibers, > 5 μm length, < 3 μm diameter |
| OSHA | 15 mg/m³ TWA-PEL (total particulate)<br>5 mg/m³ TWA-PEL (respirable particulate) | Inert dust and particulates not otherwise regulated |
| ACGIH | 10 mg/m³ TWA-TLV (inhalable particulate)<br>3 mg/m³ TWA-TLV (respirable particulate) | Particulates not otherwise classified, containing no asbestos and <1% crystalline silica |

8.2 Equipment and Work Practices: Follow OSHA-recommended equipment and work practices. A complete copy of these practices can be obtained from Roxul Inc. (see Section 1 of this Material Safety Data Sheet), and is available on the OSHA website (http://www.osha.gov/SLTC/syntheticmineralfibers).

8.2.1 Follow OSHA-recommended safe handling practices listed in Section 7.2 above.

8.2.2 Where feasible, general dilution ventilation or local exhaust ventilation should be used as necessary to maintain exposures below applicable exposure limits. Dust collection systems should be used in cutting or machining operations and may be needed when using power tools.

8.2.3 Follow OSHA-recommended work practices when fabricating, installing or removing product.

8.3 Personal Protective Equipment::

8.3.1 Respiratory:

8.3.1.1 General:
In poorly ventilated areas when dusty conditions exist and/or dust levels exceed applicable exposure limits, wear a NIOSH certified dust respirator with an efficiency rating of N95 or higher. Use disposable face masks complying with NIOSH respirator standards, such as a 3M Model 8210 (or 8710) (3M Model 9900 in high humidity environments) or equivalent. For exposures up to five times the established exposure limits use a quarter-mask respirator, rated N95 or higher; and for exposures up to ten times the established exposure limits use a half-mask respirator (e.g. MSA's DM-11, Racal's Delta N95, 3M's 8210), rated N95 or higher. For exposures up to 50 times the established exposure limits use a full-face respirator, rated N99 or higher.

8.3.1.2 Specific Operations:
In poorly ventilated areas when dusty conditions exist and/or dust levels exceed applicable exposure limits, wear a NIOSH certified dust respirator with an efficiency rating of N95 or higher, such as a 3M Model 8210 (or 8710) (3M Model 9900 in high humidity environments) or equivalent, when fabricating, installing or removing product.

8.3.2 Skin:
Wear loose fitting, long sleeved and long-legged clothing to prevent irritation. A head cover is also recommended, especially when working with material overhead. The use of suitable gloves is also recommended. Skin irritation cannot occur if there is no contact with the skin. Do not tape sleeves or pants at wrists or ankles. Remove fibers from the work clothes, before leaving work to reduce potential skin irritation. If working in a very dusty environment it is advisable to shower and change clothes

8.3.3 Eyes/Face:
Wear safety goggles or safety glasses with side shields.

## 9. Physical and Chemical Properties:

| | | |
|---|---|---|
| 9.1 | Appearance: | Grey, green fibrous batt or board |
| 9.2 | State: | Solid |
| 9.3 | Odor: | May have slight resin odour |
| 9.4 | Boiling point:: | n.a. |
| 9.5 | Melting point: | Approximately 2150 °F (1177 °C) |
| 9.6 | Vapour pressure: | n.a. |
| 9.7 | Vapour Density: | n.a. |
| 9.8 | Specific Gravity: | n.a. |
| 9.9 | Evaporation Rate: | n.a. |
| 9.10 | Freezing Point: | n.a. |
| 9.11 | Viscosity: | n.a. |
| 9.12 | Solubility: | Insoluble ($H_2O$) |
| 9.13 | Partition coefficient: | n.a. |

n.a. = not applicable

## 10. Stability and Reactivity:

10.1 Stability: Stable

10.2 Reactivity: Not reactive

10.3 Thermal decomposition products:
Primary combustion products of the cured urea extended phenolic formaldehyde binder, when heated above 390 °F (200 °C), are carbon monoxide, carbon dioxide, ammonia, water and trace amounts of formaldehyde. Other undetermined compounds could be released in trace quantities. Emission usually only occurs during the first heating. The released gases may be irritating to the eyes, nose and throat during initial heat-up. Use appropriate respirators (air supplied) particularly in tightly confined or poorly ventilated areas during initial heat-up.

10.4 Hazardous Polymerization: Will not occur

10.5 Incompatible Materials: This product reacts with hydrofluoric acid.

## 11. Toxicological Information:

11.1 Acute Toxicity:
Coarse fibers and dust from mineral wool products can cause temporary mechanical irritation (itching, redness) of the skin, and of the mucous membranes in the eyes and in the upper respiratory tract (nose and throat). The itching and possible inflammation are a mechanical reaction to dust and coarse fibers (of more than about 5 μm in diameter), and are not damaging in the way chemical irritants may be. They generally abate within a short time after the end of exposure. When products are handled continually, the skin itching generally diminishes.

11.2 Chronic Toxicity:

11.2.1 Summary: In October 2001, IARC completed a re-evaluation of respirable mineral wool fibers and classified them in Group 3 (not classifiable as to their carcinogenicity to humans). A summary of the most important scientific studies appears below:

11.2.2 Human Data:

11.2.2.1 The possible carcinogenic effects of exposure to mineral wool fibers has been evaluated in a number of epidemiological (human) studies. Most of this research, including large long-tem studies of mineral wool production workers in the U.S. and Europe, has been sponsored or supported by the North American and International thermal insulation industries, including Roxul Inc. Published reports of the early results of these studies identified significantly elevated rates of respiratory cancer in several subcohorts of the worker populations under evaluation (e.g., Simonato et al. 1987; Enterline et al. 1987). However, the studies had several methodological limitations, including failure to control for confounding exposures to other possible causes of the elevated cancer risk, including tobacco use and occupational exposures to recognized carcinogens such as asbestos. For these reasons, the authors of these reports did not interpret the results as establishing an association between exposure to mineral wool fibers and an increased risk of cancer. Several of these earlier reports formed part of the basis for IARC's previous classification of mineral wool fibers in Group 2B (possibly carcinogenic to humans) (IARC 1987).

11.2.2.2 Follow-up studies, including case-control studies designed to exclude the contribution of confounding exposures to the cancer experience of the study populations, found no evidence that mineral wool fibers are associated with an increased cancer risk (Marsh et al. 1996; Wong, et al. 1991; Kjaerheim et al. 2001). In announcing the new Group 3 classification for mineral wool fibers, IARC stated: "Epidemiologic studies published during the 15 years since the previous IARC Monographs review of these fibers in 1988 provide no evidence of increased risks of lung cancer or of mesothelioma (cancer of the lining of the body cavities) from occupational exposures during manufacture of these materials" (IARC 2001).

11.2.3 Animal Data:

11.2.3.1 Several studies of intraperitoneal injection of high doses of mineral wool fibers have produced significant increases in the incidence of mesothelioma (IARC 2002). The intraperitoneal injection studies formed part of the basis for IARC's previous (IARC 1987) Group 2B classification for mineral wool fibers. Leading scientists agree that intraperitoneal injection studies (i.e., surgical implantation or injection into the chest or abdomen) are the least relevant type of animal study for evaluating

potential human risk for fiber exposures, because such studies bypass the animals' natural defense mechanisms and involve a type and pattern of exposure (implantation of a high dose early in life) that does not mimic human patterns of exposure (inhalation of much lower doses over a lifetime) (National Research Council 2000).

11.2.3.2 A well-designed long-term inhalation study in rats exposed to mineral wool fibers found no significant increase in lung tumor incidence, and no mesotheliomas (IARC 2002). Likewise, in two intratracheal instillation studies of mineral wool fibers, no significant increase in the incidence of lung tumors or mesotheliomas was found (IARC 2002). Inhalation studies are regarded as the most relevant type of animal data for evaluating potential human risk, and intratracheal instillation studies, while less relevant, are considered valuable for the initial screening of fibrous compounds (National Research Council 2000). Thus, evaluating all the available animal studies in conjunction with the human data, IARC's most recent review finds "inadequate evidence overall for any cancer risk" from mineral wool fibers (IARC 2001).

11.3 Evaluations of Potential Carcinogenicity:

| Source | Classification | Description |
|---|---|---|
| IARC | Group 3 | Not Classifiable as a Human Carcinogen |
| ACGIH | Group A3 | Confirmed Animal Carcinogen with Unknown Relevance to Humans |

## 12. Ecological Information:

12.1 Ecotoxicity: No data available for the products. The products are stable, are not expected to cause harm to animals, plants or fish, and have no other known adverse environmental effects.

12.2 Environmental Fate: No data available for the products.

## 13. Disposal Considerations:

13.1 US EPA Waste Number & Descriptions:

13.1.1 General Product Information: The products, as supplied, are not expected to be a characteristic hazardous waste under RCRA if discarded.

13.1.2 EPA Waste Numbers: No EPA Waste Numbers are applicable for this product's components.

13.2 Disposal Instructions: Product is not considered a hazardous waste. Dispose of waste material according to Federal, State, Provincial, and Local environmental regulations.

## 14. Transport Information:

14.1 General: No special precautions.

14.2 US DOT Information: This product is not classified as a hazardous material for transport.

## 15. Regulatory Information:

15.1 U.S. Regulations:

15.1.1 Toxic Substances Control Act (TSCA): All components in this product are listed, as required, on the US EPA TSCA inventory, or are not required to be listed

15.1.2 CERCLA: Includes mineral fiber emissions from facilities manufacturing or processing glass rock or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less; Statutory RQ = 1 pound (.454 kg); no final RQ is being assigned to the generic or broad class (related to Fine mineral fibers).

15.1.3 Clean Air Act: Mineral wool fiber appears on the Clean Air Act-1990 Hazardous Air Pollutants List.

15.2 State and Local Regulations: State, Provincial, and Local regulations not identified in this Material Safety Data Sheet may apply.

15.3 WHMIS: The products have been classified in accordance with the hazard criteria of the Controlled Product Regulations and this Material Safety Data Sheet contains all the information required by the Controlled Product Regulations

| | | |
|---|---|---|
| 15.3.1: | WHMIS IDL: | No components are listed on the IDL |
| 15.3.2: | WHMIS Classification: | No components are classified as controlled products. |

## 16. Further Information:

16.1 Potential Health Effects:

IARC Monograph Man-made Vitreous Fibres, press release October 2001

Safety in the Use of Mineral and Synthetic Fibers, Occupational Safety and Health Series. International Labor Office (ILO).

Information about "Health and Safety Research on Rock- and Slag-wool" can be obtained from the North American Insulation Manufacturers Association (NAIMA), 44 Canal Center Plaza, Suite 310, Alexandria, VA 22314, USA). Home-page: http://www.naima.org

16.2 Key/Legend:

ACGIH = American Conference of Governmental Industrial Hygienists; CAA = Clean Air Act; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; DOT = Department of Transportation; EPA = Environmental Protection Agency; HMIS = Hazardous Material Identification System; HSPP = Health and Safety Partnership Program; IARC = International Agency for Research on Cancer; MSDS = Material Safety Data Sheet; NAIMA = North American Insulation Manufacturers Association; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety and Health; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit; RCRA = Resource Conservation and Recovery Act; RQ = Reportable Quantity; SVF = synthetic vitreous fibers; TSCA = Toxic Substances Control Act; TWA = time-weighted average; WHMIS = Workplace Hazardous Materials Information System.

16.3 References: Complete citations, or copies, of all references cited in this Material Safety Data Sheet can be obtained from Roxul Inc. (see Section 1).

16.4 Accuracy: The information contained herein is based upon data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe upon any patent. This information is furnished as a guide only and upon the condition that the person receiving it shall make tests to determine the accuracy and suitability for his or her own purpose.

# SAFETY DATA SHEET

## 1. Identification

| | |
|---|---|
| **Product number** | 1000002432 |
| **Product identifier** | **16 OZ TRIMTEX 847 ADHESIVE SXT LT 12PK** |
| **Revision date** | 08-18-2016 |
| **Company information** | TRIM-TEX INC<br>3700 WEST PRATT AVENUE<br>LINCOLNWOOD, IL 60712 United States |
| **Company phone** | General Assistance 847-679-3000 |
| **Emergency telephone US** | 1-866-836-8855 |
| **Emergency telephone outside US** | 1-952-852-4646 |
| **Version #** | 04 |
| **Supersedes date** | 09-03-2015 |
| **Recommended use** | ADHESIVE |
| **Recommended restrictions** | None known. |

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable aerosols | Category 1 |
| **Health hazards** | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Reproductive toxicity (fertility, the unborn child) | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Specific target organ toxicity, repeated exposure | Category 2 |
| | Aspiration hazard | Category 1 |
| **OSHA defined hazards** | Not classified. | |

**Label elements**

| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statement** | Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. |
| **Precautionary statement** | |
| **Prevention** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. |
| **Response** | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| **Storage** | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |

| | |
|---|---|
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Environmental hazards** | Hazardous to the aquatic environment, acute hazard — Category 3<br>Hazardous to the aquatic environment, long-term hazard — Category 3 |
| **Hazard(s) not otherwise classified (HNOC)** | None known. |
| **Supplemental information** | None. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Acetone | | 67-64-1 | 20 - 40 |
| Dimethyl Ether | | 115-10-6 | 10 - 20 |
| Propane | | 74-98-6 | 10 - 20 |
| 2-Methylpentane | | 107-83-5 | 2.5 - 10 |
| n-Hexane | | 110-54-3 | 2.5 - 10 |
| Toluene | | 108-88-3 | 2.5 - 10 |
| 3-Methylpentane | | 96-14-0 | 1 - 2.5 |
| Nonylphenol | | 84852-15-3 | 0.01 - 0.1 |
| Other components below reportable levels | | | 20 - 40 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

| | |
|---|---|
| **Inhalation** | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| **Skin contact** | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| **Eye contact** | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| **Ingestion** | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| **Most important symptoms/effects, acute and delayed** | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| **General information** | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Alcohol resistant foam. Dry powder. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. |
| **Special protective equipment and precautions for firefighters** | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| **Fire fighting equipment/instructions** | Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |

| | |
|---|---|
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes. |
| **General fire hazards** | Extremely flammable aerosol. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **Methods and materials for containment and cleaning up** | Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. |
| **Conditions for safe storage, including any incompatibilities** | Level 2 Aerosol.<br><br>Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value |
|---|---|---|
| Acetone (CAS 67-64-1) | PEL | 2400 mg/m3<br>1000 ppm |
| n-Hexane (CAS 110-54-3) | PEL | 1800 mg/m3<br>500 ppm |
| Propane (CAS 74-98-6) | PEL | 1800 mg/m3<br>1000 ppm |

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | Ceiling | 300 ppm |
| | TWA | 200 ppm |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| 2-Methylpentane (CAS 107-83-5) | STEL | 1000 ppm |
| | TWA | 500 ppm |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| 3-Methylpentane (CAS 96-14-0) | STEL | 1000 ppm |
| | TWA | 500 ppm |
| Acetone (CAS 67-64-1) | STEL | 500 ppm |
| | TWA | 250 ppm |
| n-Hexane (CAS 110-54-3) | TWA | 50 ppm |
| Toluene (CAS 108-88-3) | TWA | 20 ppm |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| Acetone (CAS 67-64-1) | TWA | 590 mg/m3 |
| | | 250 ppm |
| n-Hexane (CAS 110-54-3) | TWA | 180 mg/m3 |
| | | 50 ppm |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m3 |
| | | 1000 ppm |
| Toluene (CAS 108-88-3) | STEL | 560 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**US. Workplace Environmental Exposure Level (WEEL) Guides**

| Components | Type | Value |
|---|---|---|
| Dimethyl Ether (CAS 115-10-6) | TWA | 1880 mg/m3 |
| | | 1000 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone | Urine | * |
| n-Hexane (CAS 110-54-3) | 0.4 mg/l | 2,5-Hexanedion, without hydrolysis | Urine | * |
| Toluene (CAS 108-88-3) | 0.3 mg/g | o-Cresol, with hydrolysis | Creatinine in urine | * |
| | 0.03 mg/l | Toluene | Urine | * |
| | 0.02 mg/l | Toluene | Blood | * |

* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.
Toluene (CAS 108-88-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Toluene (CAS 108-88-3) Skin designation applies.

**US ACGIH Threshold Limit Values: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

| | |
|---|---|
| **Respiratory protection** | If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. |
| **Thermal hazards** | Wear appropriate thermal protective clothing, when necessary. |
| **General hygiene considerations** | Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | |
| **Physical state** | Gas. |
| **Form** | Aerosol. |
| **Color** | Not available. |
| **Odor** | Not available. |
| **Odor threshold** | Not available. |
| **pH** | Not available. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | 143.6 °F (62 °C) estimated |
| **Flash point** | -156.0 °F (-104.4 °C) PROPELLANT estimated |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not available. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | 2.2 % estimated |
| **Flammability limit - upper (%)** | 8.1 % estimated |
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | 182.5 psig @70F estimated |
| **Vapor density** | Not available. |
| **Relative density** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | 666.81 °F (352.67 °C) estimated |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Explosive properties** | Not explosive. |
| **Heat of combustion (NFPA 30B)** | 27.59 kJ/g estimated |
| **Oxidizing properties** | Not oxidizing. |
| **Percent volatile** | 64.36 % estimated |
| **Specific gravity** | 0.586 estimated |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |

| | |
|---|---|
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | No hazardous decomposition products are known. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| **Skin contact** | Causes skin irritation. |
| **Eye contact** | Causes serious eye irritation. |
| **Ingestion** | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways. Narcotic effects.

| Components | Species | Test Results |
|---|---|---|
| Acetone (CAS 67-64-1) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Guinea pig | > 7426 mg/kg, 24 Hours |
| | | > 9.4 ml/kg, 24 Hours |
| | Rabbit | > 7426 mg/kg, 24 Hours |
| | | > 9.4 ml/kg, 24 Hours |
| **Inhalation** | | |
| LC50 | Rat | 55700 ppm, 3 Hours |
| | | 132 mg/l, 3 Hours |
| | | 50.1 mg/l |
| **Oral** | | |
| LD50 | Rat | 5800 mg/kg |
| | | 2.2 ml/kg |
| Dimethyl Ether (CAS 115-10-6) | | |
| **Acute** | | |
| **Inhalation** | | |
| NOEL | Rat | 2 ppm, 6 Hours |
| **Oral** | | |
| LD50 | Rat | 460 mg/kg |
| n-Hexane (CAS 110-54-3) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000 mg/kg, 4 Hours |
| | | > 5 ml/kg, 4 Hours |
| **Inhalation** | | |
| LC50 | Rat | > 5000 ppm, 24 Hours |
| | | > 31.86 mg/l |
| | | 73860 ppm, 4 Hours |
| **Oral** | | |
| LD50 | Rat | 24 ml/kg |
| | | 24 g/kg |
| | Wistar rat | 49 g/kg |

| Components | Species | Test Results |
|---|---|---|
| Nonylphenol (CAS 84852-15-3) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | 1246 mg/kg |
| Propane (CAS 74-98-6) | | |
| **Acute** | | |
| **Inhalation** | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | | 52 %, 120 Minutes |
| | Rat | 1355 mg/l |
| | | 658 mg/l/4h |
| Toluene (CAS 108-88-3) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 5000 mg/kg, 24 Hours |
| **Inhalation** | | |
| LC50 | Mouse | 6405 - 7436 ppm, 6 Hours |
| | | 5320 ppm, 8 Hours |
| | Rat | 5879 - 6281 ppm, 6 Hours |
| | | 25.7 mg/l, 4 Hours |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg |

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Risk of cancer cannot be excluded with prolonged exposure.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** Suspected of damaging fertility. Suspected of damaging the unborn child.

**Specific target organ toxicity - single exposure** May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|---|---|---|
| Acetone (CAS 67-64-1) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 21.6 - 23.9 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours |
| Dimethyl Ether (CAS 115-10-6) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) | 4.3 - 7.8 mg/l, 48 hours |
| Fish | LC50 | Striped bass (Morone saxatilis) | 10.302 - 16.743 mg/l, 96 hours |
| n-Hexane (CAS 110-54-3) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 2.101 - 2.981 mg/l, 96 hours |
| Nonylphenol (CAS 84852-15-3) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Clam (Mulinia lateralis) | 0.0379 mg/l, 48 hours |
| Fish | LC50 | Winter flounder (Pleuronectes americanus) | 0.017 mg/l, 96 hours |
| Toluene (CAS 108-88-3) | | | |
| **Aquatic** | | | |
| Algae | IC50 | Algae | 433.0001 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 7.645 mg/L, 48 Hours |
| | | Water flea (Daphnia magna) | 5.46 - 9.83 mg/l, 48 hours |
| Fish | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch) | 8.11 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

| **Partition coefficient n-octanol / water (log Kow)** | |
|---|---|
| 2-Methylpentane | 3.74 |
| 3-Methylpentane | 3.6 |
| Acetone | -0.24 |
| Dimethyl Ether | 0.1 |
| n-Hexane | 3.9 |
| Propane | 2.36 |
| Toluene | 2.73 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## 14. Transport information

**DOT**

| | |
|---|---|
| **UN number** | UN1950 |
| **UN proper shipping name** | Aerosols, flammable, (each not exceeding 1 L capacity) |
| **Transport hazard class(es)** | |
| **Class** | 2.1 |
| **Subsidiary risk** | - |
| **Label(s)** | 2.1 |
| **Packing group** | Not applicable. |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| **Special provisions** | N82 |
| **Packaging exceptions** | 306 |
| **Packaging non bulk** | None |
| **Packaging bulk** | None |

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**IATA**

| | |
|---|---|
| **UN number** | UN1950 |
| **UN proper shipping name** | Aerosols, flammable |
| **Transport hazard class(es)** | |
| **Class** | 2.1 |
| **Subsidiary risk** | - |
| **Label(s)** | 2.1 |
| **Packing group** | Not applicable. |
| **Environmental hazards** | No. |
| **ERG Code** | 10L |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| **Other information** | |
| **Passenger and cargo aircraft** | Allowed with restrictions. |
| **Cargo aircraft only** | Allowed with restrictions. |
| **Packaging Exceptions** | LTD QTY |

**IMDG**

| | |
|---|---|
| **UN number** | UN1950 |
| **UN proper shipping name** | AEROSOLS |
| **Transport hazard class(es)** | |
| **Class** | 2.1 |
| **Subsidiary risk** | - |
| **Label(s)** | 2.1 |
| **Packing group** | Not applicable. |
| **Environmental hazards** | |
| **Marine pollutant** | No. |
| **EmS** | F-D, S-U |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
| **Packaging Exceptions** | LTD QTY |
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable. |

**DOT**


**IATA; IMDG**


## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

| | |
|---|---|
| Acetone (CAS 67-64-1) | Listed. |
| n-Hexane (CAS 110-54-3) | Listed. |
| Toluene (CAS 108-88-3) | Listed. |

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---|---|---|
| n-Hexane | 110-54-3 | 2.5 - 10 |
| Toluene | 108-88-3 | 2.5 - 10 |

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Dimethyl Ether (CAS 115-10-6)
Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

| | |
|---|---|
| Acetone (CAS 67-64-1) | 6532 |
| Toluene (CAS 108-88-3) | 6594 |

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

| | |
|---|---|
| Acetone (CAS 67-64-1) | 35 %WV |
| Toluene (CAS 108-88-3) | 35 %WV |

**DEA Exempt Chemical Mixtures Code Number**

| | |
|---|---|
| Acetone (CAS 67-64-1) | 6532 |
| Toluene (CAS 108-88-3) | 594 |

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Acetone (CAS 67-64-1)
n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

2-Methylpentane (CAS 107-83-5)
3-Methylpentane (CAS 96-14-0)
Acetone (CAS 67-64-1)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

**US. New Jersey Worker and Community Right-to-Know Act**

2-Methylpentane (CAS 107-83-5)
Acetone (CAS 67-64-1)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

2-Methylpentane (CAS 107-83-5)
3-Methylpentane (CAS 96-14-0)
Acetone (CAS 67-64-1)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

Acetone (CAS 67-64-1)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)
Propane (CAS 74-98-6)
Toluene (CAS 108-88-3)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

| | |
|---|---|
| Ethyl Benzene (CAS 100-41-4) | Listed: June 11, 2004 |
| Naphthalene (CAS 91-20-3) | Listed: April 19, 2002 |

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

| | |
|---|---|
| Toluene (CAS 108-88-3) | Listed: January 1, 1991 |

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 05-13-2015

**Revision date** 08-18-2016

**Version #** 04

**Disclaimer** We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **SHEETROCK® Brand Fiberglass Drywall Tape**

**Other means of identification**

**SDS number** 05000054004

**Synonyms** Fiberglass Tape

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer / Importer / Supplier / Distributor information**

**Company name** United States Gypsum Company

**Address** 550 West Adams Street
Chicago, Illinois 60661-3637

**Telephone** 1-800-874-4968

**Website** www.usg.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Continuous filament glass fiber | 65997-17-3 | 60-80 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Product is composed of continuous fibers that do not qualify as respirable.

## 4. First-aid measures

**Inhalation** Due to the physical nature of this product, inhalation is unlikely. There are no known health effects due to inhalation.

**Skin contact** Direct, prolonged or repeated contact with the skin may cause irritation. Rinse area with plenty of water. Get medical attention if irritation develops and persists.

**Eye contact** Direct contact can cause irritation of eyes. Immediately flush eye(s) with plenty of water. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

**Ingestion** Due to the physical nature of this product, ingestion is unlikely. There are no known health effects due to ingestion.

**Most important symptoms/effects, acute and delayed** Mechanical irritation of skin, eyes and respiratory system.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved.

## 5. Fire-fighting measures

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** Not applicable.

**Specific hazards arising from the chemical** Not a fire hazard.

**Special protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

**Specific methods** Cool material exposed to heat with water spray and remove it if no risk is involved.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up** No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS.

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store at a minimum temperature of 45°F(7°C). Shelf life up to nine months under good storage conditions. Store away from incompatible materials. Protect product from physical damage.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Continuous filament glass fiber (CAS 65997-17-3) | TWA | 1 fibers/cm3 | Respirable fibers (length > 5 µm & aspect ratio ≥ 3:1) |
| | | 5 mg/m3 | Inhalable fraction. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value | Form |
|---|---|---|---|
| Continuous filament glass fiber (CAS 65997-17-3) | TWA | 3 fibers/cm3 | Respirable fibers (≤ 3.5 µm in diameter & ≥ 10 µm in length) |
| | | 5 mg/m3 | Fiber, total |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Ventilation is not normally required.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear approved safety goggles.

**Skin protection**

**Hand protection** It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

**Other** Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory protection** Not necessary under normal conditions.

**Thermal hazards** None.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Solid.

**Form** Fibrous tape

| | |
|---|---|
| **Color** | White. |
| **Odor** | Low to no odor. |
| **Odor threshold** | Not applicable. |
| **pH** | Not applicable. |
| **Melting point/freezing point** | 1292 °F (700 °C) |
| **Initial boiling point and boiling range** | Not applicable. |
| **Flash point** | Not applicable. |
| **Evaporation rate** | Not applicable. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not applicable. |
| **Flammability limit - upper (%)** | Not applicable. |
| **Explosive limit - lower (%)** | Not applicable. |
| **Explosive limit - upper (%)** | Not applicable. |
| **Vapor pressure** | Not applicable. |
| **Vapor density** | Not applicable. |
| **Relative density** | 2.5 (H2O=1) |
| **Solubility(ies)** | |
| **Solubility (water)** | Insoluble in water. |
| **Partition coefficient (n-octanol/water)** | Not applicable. |
| **Auto-ignition temperature** | Not applicable. |
| **Decomposition temperature** | Not applicable. |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Bulk density** | 156 lb/ft³ |
| **VOC (Weight %)** | 0 % |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | Not available. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | Carbon dioxide. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Ingestion** | Under normal conditions of intended use, this material does not pose a risk to health. |
| **Inhalation** | Not likely, due to the form of the product. |
| **Skin contact** | Direct, prolonged or repeated contact with the skin may cause irritation. |
| **Eye contact** | Direct contact may cause mechanical irritation of the eyes. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | May cause mechanical irritation of skin and eyes. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | None known. |
| **Skin corrosion/irritation** | Prolonged skin contact may cause temporary irritation. |
| **Serious eye damage/eye irritation** | Direct contact with eyes may cause temporary irritation. |

**Respiratory or skin sensitization**

**Respiratory sensitization** No data available.

**Skin sensitization** Not a skin sensitizer.

**Germ cell mutagenicity** Not expected to be mutagenic.

**Carcinogenicity** Not classified.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Continuous filament glass fiber (CAS 65997-17-3) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** Not expected to be a reproductive hazard.

**Specific target organ toxicity - single exposure** No data available, but none expected.

**Specific target organ toxicity - repeated exposure** No data available, but none expected.

**Aspiration hazard** Due to the physical form of the product it is not an aspiration hazard.

**Further information** No other specific acute or chronic health impact noted.

## 12. Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent releases can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data available.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** The product is not mobile in soil.

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** Not regulated.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

## 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** This product does not contain a chemical known to the State of California to cause cancer. Only applies to certain inhalable, bio persistent fibers.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 04-February-2014

**Revision date** -

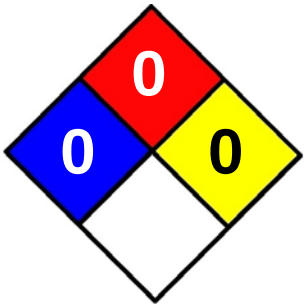
**Version #** 01

**Further information** The International Agency for Research on Cancer (IARC) in June, 1987, categorized continuous filament glass fibers as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify continuous filament glass fiber as a possible, probable, or confirmed cancer causing material. The ACGIH has established a TLV (Threshold Limit Value or recommended exposure limit) for continuous filament glass fiber of 1 fiber per cubic centimeter of air for respirable fibers and 5 mg per cubic meter of air for inhalable glass fiber dust. These levels were established to prevent mechanical irritation of the upper airways. IARC, NTP (US National Toxicology Program) and OSHA (US Occupational Safety and Health Administration) do not list continuous filament glass fibers as a carcinogen.

As manufactured, continuous filament glass fibers in this product are not respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards.

NFPA Ratings:
Health: 0
Flammability: 0
Physical hazard: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA Ratings**




**List of abbreviations** NFPA: National Fire Protection Association.

**References** HSDB® - Hazardous Substances Data Bank

**Disclaimer** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **SHEETROCK® Brand Joint Tape**

**Other means of identification**

**SDS number** 61000054002

**Additional Product** SHEETROCK® Heavy Joint Tape

**Synonyms** Drywall Tape, Cellulose Tape

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** United States Gypsum Company

**Address** 550 West Adams Street
Chicago, Illinois 60661-3637

**Telephone** 1-800-874-4968

**Website** www.usg.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Cellulose | 9004-34-6 | 90 - 100 |
| Calcium carbonate | 471-34-1 | 1-5 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas.

## 4. First-aid measures

**Inhalation** Due to the physical nature of this product, inhalation is unlikely. There are no known health effects due to inhalation.

**Skin contact** Direct, prolonged or repeated contact with the skin may cause irritation. Contact along a length of the edge of the paper may result in a paper cut of the skin. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area.

**Eye contact** Direct contact can cause irritation of eyes. Immediately flush eye(s) with plenty of water. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

| | |
|---|---|
| **Ingestion** | Due to the physical nature of this product, ingestion is unlikely. There are no known health effects due to ingestion. |
| **Most important symptoms/effects, acute and delayed** | Mechanical irritation of skin, eyes and respiratory system. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | Not applicable. |
| **Specific hazards arising from the chemical** | Not a fire hazard. |
| **Special protective equipment and precautions for firefighters** | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **Specific methods** | Cool material exposed to heat with water spray and remove it if no risk is involved. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | See Section 8 of the SDS for Personal Protective Equipment. |
| **Methods and materials for containment and cleaning up** | No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. |
| **Conditions for safe storage, including any incompatibilities** | Store away from incompatible materials. Protect product from physical damage. |

## 8. Exposure controls/personal protection

| | |
|---|---|
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate engineering controls** | Ventilation is not normally required. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Wear approved safety goggles. |
| **Skin protection** | |
| **Hand protection** | It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves. |
| **Other** | Normal work clothing (long sleeved shirts and long pants) is recommended. |
| **Respiratory protection** | Not necessary under normal conditions. |
| **Thermal hazards** | None. |
| **General hygiene considerations** | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements. |

## 9. Physical and chemical properties

**Appearance**

| | |
|---|---|
| **Physical state** | Solid. |
| **Form** | Paper tape. |
| **Color** | White. |

| | |
|---|---|
| **Odor** | Low to no odor. |
| **Odor threshold** | Not applicable. |
| **pH** | Not applicable. |
| **Melting point/freezing point** | 451 °F (232.78 °C) |
| **Initial boiling point and boiling range** | Not applicable. |
| **Flash point** | Not applicable. |
| **Evaporation rate** | Not applicable. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not applicable. |
| **Flammability limit - upper (%)** | Not applicable. |
| **Explosive limit - lower (%)** | Not applicable. |
| **Explosive limit - upper (%)** | Not applicable. |
| **Vapor pressure** | Not applicable. |
| **Vapor density** | Not applicable. |
| **Relative density** | 1.2 (H2O=1) |
| **Solubility(ies)** | |
| **Solubility (water)** | Insoluble in water. |
| **Partition coefficient (n-octanol/water)** | Not applicable. |
| **Auto-ignition temperature** | Not applicable. |
| **Decomposition temperature** | Not applicable. |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Bulk density** | 75 lb/ft³ |
| **VOC (Weight %)** | 0 % |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | Not available. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | No hazardous decomposition products are known. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Not likely, due to the form of the product. |
| **Skin contact** | Direct, prolonged or repeated contact with the skin may cause irritation. |
| **Eye contact** | Direct contact may cause mechanical irritation of the eyes. |
| **Ingestion** | Under normal conditions of intended use, this material does not pose a risk to health. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | May cause mechanical irritation of skin and eyes. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | None known. |
| **Skin corrosion/irritation** | Prolonged skin contact may cause temporary irritation. |

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** No data available.

**Skin sensitization** Not a skin sensitizer.

**Germ cell mutagenicity** Not expected to be mutagenic.

**Carcinogenicity** Not expected to cause cancer.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** Not expected to be a reproductive hazard.

**Specific target organ toxicity - single exposure** No data available, but none expected.

**Specific target organ toxicity - repeated exposure** No data available, but none expected.

**Aspiration hazard** Due to the physical form of the product it is not an aspiration hazard.

**Further information** No other specific acute or chronic health impact noted.

## 12. Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent releases can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data available.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** The product is not mobile in soil.

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** Not regulated.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

## 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

Calcium carbonate (CAS 471-34-1)
Cellulose (CAS 9004-34-6)

**US. New Jersey Worker and Community Right-to-Know Act**

Calcium carbonate (CAS 471-34-1)
Cellulose (CAS 9004-34-6)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Calcium carbonate (CAS 471-34-1)
Cellulose (CAS 9004-34-6)

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

Not Listed.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 26-February-2015

**Revision date** -

**Version #** 01

**Further information** This product as sold and under normal conditions of intended use, does not present an inhalation, ingestion or skin hazard. However, individual user processes, (such as sanding, abrasive blasting, etc.) may result in the formation of dust and/or particulate that may present a variety of health hazards.

NFPA Ratings: 0
Health:
Flammability: 0
Physical hazard: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA ratings**


**List of abbreviations**

NFPA: National Fire Protection Association.

**References** HSDB® - Hazardous Substances Data Bank

**Disclaimer** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

# SAFETY DATA SHEET

Rigid Vinyl

## Section 1. Identification

**GHS product identifier** : Rigid Vinyl

**Chemical name** : Polyvinyl Chloride

**Other means of identification** : Not Available

**Product code** : Not Available

**Product type** : Solid

**Identified uses**

Drywall Accessories

**Supplier's details** :

Trim-Tex, Inc.
3700 W. Pratt Ave
Lincolnwood, IL 60712
Tel: 1- 847-674-3379
Fax: 1- 847-679-3017
Email: georges@trim-tex.com
Web Site: www.trim-tex.com

**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887
24/7

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

This product is an Article under the United States Hazard Communication System. Therefore it is EXEMPTED from the regulatory requirements under HCS.

**GHS label elements**

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.

**Response** : Not applicable.

## Section 2. Hazards identification

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified (HNOC)** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Chemical name** : Polyvinyl Chloride

**Other means of identification** : Not Available

### CAS number/other identifiers

**CAS number** : Not applicable.

**Product code** : Not Available

| Ingredient name | % | CAS number |
|---|---|---|
| Titanium dioxide | 5 - 10 | 13463-67-7 |

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.**

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : If a dust particle enters the eye, flush with water and consult a physician if necessary.

**Inhalation** : If dust particles are inhaled, remove to fresh air and consult a physician if necessary.

**Skin contact** : Not expected to cause skin irritation.

**Ingestion** : Unlikely route of exposure.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically.

**Specific treatments** : No specific treatment.

## Section 4. First aid measures

**Protection of first-aiders** : No special protection is required.

**See toxicological information (Section 11)**

## Section 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides
Hydrogen chloride gas (HCl)

**Special protective actions for fire-fighters** : No special measures are required.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** : Not applicable.

**For emergency responders** : Not applicable.

**Environmental precautions** : Not applicable.

**Methods and materials for containment and cleaning up**

**Spill** : Pick up mechanically.

## Section 7. Handling and storage

**Precautions for safe handling**

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Normal good industrial hygiene.

**Conditions for safe storage, including any incompatibilities** : Take precautionary measures to avoid fire hazard. Store in normal room conditions without direct exposure to sunlight.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name | Exposure limits |
|---|---|
| Titanium dioxide | **OSHA PEL (United States, 2/2013).**<br>TWA: 15 mg/m³ 8 hours. Form: Total dust<br>**ACGIH TLV (United States, 3/2015).**<br>TWA: 10 mg/m³ 8 hours. |

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to dusts.

#### Skin protection

**Hand protection** : Gloves should be worn when handling hot material.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

**Respiratory protection** : Not required under normal conditions of use.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Solid.

**Color** : Various.

**Odor** : Slight.

**Odor threshold** : Not available.

**pH** : Not available.

**Melting point** : Not available.

**Boiling point** : Not available.

**Flash point** : Not available.

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Not available.

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : Not available.

**Solubility** : Not available.

**Partition coefficient: n-octanol/water** : Not available.

## Section 9. Physical and chemical properties

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Not available.

**Volatility** : Not available.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : No specific data.

**Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

There is no data available.

#### Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| Titanium dioxide | Skin - Mild irritant | Human | - | 72 hours 300 µg Intermittent | - |

#### Sensitization

There is no data available.

#### Carcinogenicity

##### Classification

| Product/ingredient name | OSHA | IARC | NTP | ACGIH | EPA | NIOSH |
|---|---|---|---|---|---|---|
| Titanium dioxide | - | 2B | - | A4 | - | + |

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact.

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

# Section 11. Toxicological information

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

## Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

## Delayed and immediate effects and also chronic effects from short and long term exposure

### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## Numerical measures of toxicity

### Acute toxicity estimates

There is no data available.

# Section 12. Ecological information

## Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|---|---|
| Titanium dioxide | Acute EC50 5.83 mg/L Fresh water | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | 72 hours |
| | Acute LC50 3 mg/L Fresh water | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
| | Acute LC50 5.5 ppm Fresh water | Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours |
| | Acute LC50 1000 mg/L Fresh water | Fish - Pimephales promelas | 96 hours |
| | Chronic NOEC 0.984 mg/L Fresh water | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | 72 hours |

## Persistence and degradability

There is no data available.

## Section 12. Ecological information

**Bioaccumulative potential**

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Titanium dioxide | - | 352 | low |

**Mobility in soil**

**Soil/water partition coefficient ($K_{OC}$)** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : It must be disposed of in accordance with Federal, State and Local environmental control regulations. Recycling of PVC should be encouraged where possible.

## Section 14. Transport information

| | DOT | IMDG | IATA |
|---|---|---|---|
| **UN number** | Not regulated. | Not regulated. | Not regulated. |
| **UN proper shipping name** | - | - | - |
| **Transport hazard class(es)** | - | - | - |
| **Packing group** | - | - | - |
| **Environmental hazards** | No. | No. | No. |
| **Additional information** | - | - | - |

**AERG** : Not applicable.

**Special precautions for user** : Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR**: 4-Vinylcyclohexene; 2-Methylpropan-2-ol

**TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

**United States inventory (TSCA 8b)**: All components are listed or exempted.

**Clean Water Act (CWA) 311**: Styrene; Methyl methacrylate

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

# Section 15. Regulatory information

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

## SARA 302/304

### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

## SARA 311/312

**Classification** : Not applicable.

### Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---|---|---|---|---|---|---|
| Titanium dioxide | 5 - 10 | No. | No. | No. | No. | Yes. |

## SARA 313

No products were found.

## State regulations

**Massachusetts** : The following components are listed: Titanium dioxide

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: Titanium dioxide

**Pennsylvania** : The following components are listed: Titanium dioxide

## California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer.
**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

| Ingredient name | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level |
|---|---|---|---|---|
| Titanium dioxide | Yes. | No. | No. | No. |
| Carbon black | Yes. | No. | No. | No. |
| Styrene | Yes. | No. | No. | No. |
| 1,3-Butadiene | Yes. | Yes. | Yes. | No. |
| 4-Vinylcyclohexene | Yes. | Yes. | No. | No. |
| Crystalline silica, quartz | Yes. | No. | No. | No. |

California residents: WARNING: Cancer and Reproductive Harm
www.p65Warnings.ca.gov
NOT LABELED FOR INDIVIDUAL SALE

## Section 16. Other information

**History**

| | | |
|---|---|---|
| **Date of issue mm/dd/yyyy** | : | 08/01/2018 |
| **Date of previous issue** | : | 12/15/2015 |
| **Version** | : | 2.0 |
| **Prepared by** | : | KMK Regulatory Services Inc. |
| **Key to abbreviations** | : | ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>UN = United Nations |

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Company** | Trim-Tex, Inc.<br>3700 W. Pratt Avenue<br>Lincolnwood, IL 60712<br>847-679-3000 |
| **Product Name** | Corner Part #'s-- 500, 903, 904, 905, 906, 907, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 926, 934, 937, 938, 940, 941, 943, 944, 945, 946, 947, 948, 966M, 967M, 968M, 969M, 993, 994, 995, 996, 997, 998 |
| **Chemical Family** | Polymer |
| **Product Use** | Drywall Bead Corners |

This Safety Data Sheet covers all high impact polystyrene corners sold by Trim-Tex.

For emergency health, safety and environmental information, call Chemtrec at 1-800-424-9300.

## 2. HAZARDS IDENTIFICATION

**Emergency Overview:**
Product is a white, inert solid bead or pellet with slight odor. This product is not considered flammable according to OSHA, but will burn on prolonged exposure to flame or high temperature. Solid particles may cause transient irritation from mechanical abrasion. Dusts and heat-released air emissions may be irritating to the eyes, skin and respiratory system. Molten material may cause thermal burns. At process temperatures, irritating fumes may be produced. Dust may form an explosive atmosphere when dispersed in air. Spilled product may create a dangerous slipping hazard. Keep released pellets away from storm sewers and from entry into other aquatic systems.

This material is NOT HAZARDOUS under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

This material is NOT HAZARDOUS according to GHS criteria.

**Signal Word:**
CAUTION.

**Hazards Ratings:**
*Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme*

| | Health | Fire | Reactivity | PPI |
|---|---|---|---|---|
| NFPA | 0 | 1 | 0 | |
| HMIS | 1 | 1 | 0 | |

**Primary Routes of Exposure:**
Skin contact. Eye contact. Inhalation. Ingestion.

**Potential Acute Health Effects:**
**Inhalation:** Negligible at room temperature. Inhalation of fine particles may cause respiratory irritation. Fumes produced during thermal processing may cause irritation to the respiratory system.

**Ingestion:** Ingestion is not a likely route of exposure. However, ingestion of product may produce mild gastrointestinal irritation and disturbances. May be a choking hazard.

**Skin:** No known acute effects of this product resulting from skin contact at room temperature. Contact with hot or molten material may cause severe thermal burns. Contact of powder or fines with the skin may cause mild irritation, that is increased by mechanical rubbing or if the skin is dry.

**Eyes:** Contact with hot or molten material may cause severe thermal injury, including in extreme contact possible blindness. Contact of powder or fines with the eye may cause mechanical irritation.

**Potential Chronic Health Effects:**
CARCINOGENIC EFFECTS: Polystyrene is not listed as a carcinogen by NTP, OSHA, EPA, ACGIH or IARC.

**Medical Conditions Aggravated by Overexposure:**
No information available.



**Overexposure Signs/Symptoms:**

No adverse health effects anticipated from the solid pellet. See Toxicological Information (Section 11)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS # | Percent by weight |
|---|---|---|
| Styrene-Butadiene polymer | 9003-55-8 | ≥92 |
| Proprietary additives | Mixture | ≤8 |

**Exposure Guidelines:** See Section 8 for additional exposure limits.

## 4. FIRST AID MEASURES

**Eye Contact:**
Remove contact lenses, if it can be done safely. Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Do not rub the eyes. Get medical attention if irritation develops or if discomfort persists.

**Skin Contact:**
For contact with polymer at room temperature, remove dusty or contaminated clothing and shoes. Wash affected area with soap and water for a few minutes. If molten material gets on skin, immediately flush with large amounts of water to cool the affected tissue and polymer. DO NOT try to peel the solidified material from the skin or use solvents or thinners to dissolve it. Obtain immediate emergency medical attention if the burn is deep or extensive.

**Inhalation:**
If symptoms are experienced, move the victim to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband to facilitate breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get medical attention. Inhalation of smoke following a fire may result in delayed pulmonary edema; seek immediate medical attention.

**Ingestion:**
First aid not normally required. Dilute swallowed material by drinking water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if irritation or other symptoms develop.

**Notes To Physician:**
Burns should be treated as thermal burns. Molten resin will come off as healing occurs; therefore, immediate removal from skin is not necessary. Treatment for overexposure should be directed at controlling the symptoms and clinical condition of the patient. After adequate first aid, no further treatment is necessary, unless symptoms reappear. Ingested material should pass through the digestive system without injury.

## 5. FIRE FIGHTING MEASURES

**General Fire Hazards:**
This product is not considered flammable according to OSHA, but will burn on prolonged exposure to flame or high temperature. High concentration of airborne powders or dust may form explosive mixture with air.

**Explosion Hazards:**
Accumulated fine dusts may form an explosive mixture with air. Take precautionary measures to prevent contact with electrostatic discharges. Risk of dust/air explosion is increased if flammable vapors are present.

**Auto-Ignition Temperature:** 427°C (800°F)

**Flash Points:** 345 - 360°C (653 - 680°F) (Combustible Flash Ignition Temperature)

**Flammable Limits:** Not available.

**Extinguishing Media:**
**Appropriate Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide ($CO_2$) to extinguish flames.

**Inappropriate Extinguishing Media:** High pressure, direct water stream that may spread molten or burning resins.

**Fire Fighting Instructions:**
Position upwind. Move containers from fire area if you can do so without risk. Fight fire from maximum distance or use unmanned holders or monitor nozzles. Assure an extended cooling down period to prevent re-ignition. Evacuate area. Keep unnecessary personnel away. Fire fighters should wear full-face, self-contained breathing apparatus and thermal protective clothing. Avoid inhaling any smoke and combustion products. Cool containers with flooding quantities of water until well after the fire is out. Control runoff waters to prevent entry into sewers,

drains, underground or confined spaces and waterways.

**Unusual Fire Hazards:** Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard. Fire may produce irritating gases and dense smoke. Flowing material may produce static discharge, igniting dust accumulations.

**Hazardous Combustion Products:** Styrene, butadiene, carbon dioxide, carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

**Evacuation Procedures:**
Isolate area. Keep unnecessary personnel away. Alert stand-by emergency and fire fighting personnel.

**Personal Precautions:**
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (for example, clearing dust surfaces with compressed air). Prevent dust exposure to ignition sources. Use non-sparking tools and prohibit smoking, flares, sparks or flames in the immediate area.

**Small Spill and Leak:**
Stop leak and contain spill. Move containers from spill area, if possible. Pieces on the floor could present a serious slipping problem. Use appropriate tools to put the spilled solid in a designated, labeled waste container. Reuse or recycle where possible. Meet any applicable regulations.

**Large Spill and Leak:**
Move containers from spill area, if possible. Prevent entry into sewers, water courses, basements or confined areas. Use appropriate tools to put the spilled solid in a designated, labeled waste container. Reuse or recycle where possible. Meet any applicable regulations.

**Water Spill:**
Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Skim from surface.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature and (in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

**Environmental Precautions:**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). For large spills: cover spill with plastic sheet or tarpaulin to minimize spreading.

**Special Procedures:**
Contact local police and appropriate emergency telephone numbers. Ensure statutory and regulatory reporting requirements in the applicable jurisdiction are met. Wear appropriate protective and clothing during clean up. Individuals without appropriate protective equipment should be excluded from the area of the spill until cleanup has been completed.

*See Section 8 for recommended Personal Protective Equipment and Section 13 for waste disposal considerations.*

## 7. HANDLING AND STORAGE

**Handling:**
Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

There is a risk of being splashed with molten materials. Thermal burns are the most common injury caused while processing molten material. Do not inhale fumes or vapor from molten product. Use with adequate ventilation.



Pneumatic conveying of powder and pellets can generate large static electrical charges. Electrical discharge in the presence of air can cause an explosion. Ground all equipment. High dust concentrations have a potential for combustion or explosion. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Routine housekeeping should be instituted to

ensure that dusts do not accumulate on surfaces.

Bonding and grounding may not eliminate the hazard for static accumulation. Consult local applicable standards for guidance. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids and EN 61241, Electrical Apparatus for Use in the Presence of Combustible Dust for safe handling.

Handle in contained and properly designed equipment systems. Use with adequate ventilation. Avoid ingestion and inhalation. Keep away from uncontrolled heat and incompatible materials.

**Storage:**
Storage area should be clearly identified, well illuminated, clear of obstruction and accessible only to trained and authorized personnel. Keep container dry. Keep in a cool place. Adequate security must be provided so that unauthorized personnel do not have access to product/material. Store in grounded, properly designed and approved vessels and away from incompatible materials. Store and use away from heat, sparks, open flame, or any other ignition source. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**General Product Information:**
Refer to published exposure limits – utilize effective control measures and PPE to maintain worker exposure to concentrations that are below these limits.

**Engineering Controls:**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Supply sufficient replacement air to make up for air removed by exhaust systems. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Use non-sparking, grounded ventilation systems separate from other exhaust systems. Ensure that eyewash stations and safety showers are in close proximity to work locations.

**Hygiene Measures:**
Wash hands after handling compounds and before eating, smoking and using the lavatory, and at the end of the day. Take off contaminated clothing and wash before reuse. Discard contaminated clothing and footwear that cannot be cleaned.

**Personal Protection:**
**General:** Personal protective equipment (PPE) should not be considered a long-term solution to exposure control. Employer programs to properly select, fit, maintain and train employees to use equipment must accompany PPE. Consult a competent industrial hygiene resource, the PPE manufacturer's recommendation, and/or applicable regulations to determine hazard potential and ensure adequate protection.

**Respiratory:** If engineering controls and ventilation is not sufficient to prevent build-up of aerosols, vapors or dusts, appropriate NIOSH/MSHA approved air-purifying respirators or self-contained breathing apparatus (SCBA) appropriate for exposure potential should be used. Air supplied breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air purifying respirators.

**Skin/Hands/Feet:** Use impervious gloves when handling product. Wear safety footwear with good traction to help prevent slipping. Work clothing that sufficiently prevents skin contact should be worn, such as coveralls and/or long sleeves and pants.

**Eyes:** Wear safety glasses with side shields during normal handling. Use dust goggles if high dust generation is generated. Wear full-face shield during thermal processing if contact with molten material is likely.

**Component Exposure Limits:**

| Ingredient | Basis | Value | Control | Note |
|---|---|---|---|---|
| Styrene-Butadiene polymer (9003-55-8) | ACGIH | TWA | 10 mg/m$^3$ | Inhalable particles, recommended |
| Styrene-Butadiene polymer (9003-55-8) | ACGIH | TWA | 3 mg/m$^3$ | Respirable particles, recommended |
| Styrene-Butadiene polymer (9003-55-8) | OSHA | TWA | 15 mg/m$^3$ | Total dust |
| Styrene-Butadiene polymer (9003-55-8) | OSHA | TWA | 5 mg/m$^3$ | Respirable fraction |
| Styrene-Butadiene polymer (9003-55-8) | Alberta | TWA | 10 mg/m$^3$ | Total particulate |

| | | | | |
|---|---|---|---|---|
| Styrene-Butadiene polymer (9003-55-8) | Alberta | TWA | 3 mg/m$^3$ | Respirable particulate |
| Styrene-Butadiene polymer (9003-55-8) | Ontario | TWAEV | 10 mg/m$^3$ | Inhalable |
| Styrene-Butadiene polymer (9003-55-8) | Ontario | TWAEV | 3 mg/m$^3$ | Respirable |

ACGIH: Related to Particulates (insoluble or poorly soluble) not otherwise specified (PNOS) OSHA: Related to Particulates not otherwise regulated
Alberta: Related to Particulates not otherwise regulated
Ontario: Related to Particulates (insoluble or poorly soluble) Not Otherwise Classified (PNOC)

ACGIH, OSHA, NIOSH, EPA, Alberta and Ontario exposure limit lists have been checked for major components listed with CAS registry numbers. Other exposure limits may apply, check with proper authorities.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Physical State and Appearance:** | Solid, white pieces |
| **Odor:** | Slight odor |
| **pH:** | No data available. |
| **Boiling Point:** | No data available. |
| **Melting Point:** | 221 - 275°F |
| **Specific Gravity:** | 1.04-1.05 g/cc, 104 kg/m |
| **Vapor Pressure:** | Not applicable. |
| **Vapor Density @ 0°C (Air = 1)** | Not applicable. |
| **Softening Point** | 174 - 261°F |
| **Water Solubility:** | Insoluble. |
| **Flammability Classification:** | Not considered flammable according to OSHA. |

## 10. STABILITY AND REACTIVITY

**Chemical Stability:**
This product is stable under normal use conditions for shock, vibration, pressure, and ambient temperature.

**Instability:**
Decomposition temperature: 300°C (572°F)

**Conditions To Avoid:**
Avoid processing material over 300°C (572°F).

**Incompatibility:** Not resistant to oxidizing agents, dissolves in organic solvents.

**Hazardous Decomposition Products:**
Material does not decompose at ambient temperatures. Hazardous decomposition products that may be generated are carbon monoxide, carbon dioxide, styrene and butadiene.

**Hazardous Polymerization:**
Under normal conditions of storage and use, hazardous polymerization will not occur.

**Corrosivity:**
Not corrosive to the common metals.

## 11. TOXICOLOGICAL INFORMATION

**Primary Route(s) of Exposure:**
Eye and skin contact.

**Acute Toxicity – General Material Information:**
Material is considered essentially inert and non-toxic. Exposure to high levels of dusts may be irritating to the eyes. Skin/eye contact with molten or heated material may cause burns. Vapors/heated fumes may be irritating to the respiratory system.

**Acute Toxicity – $LD_{50}/LC_{50}$:**
No $LD_{50}/LC_{50}$'s are available for this product's components.



**Chronic Toxicity – General Material Information:**
No additional information is available.

**Chronic Toxicity – Carcinogenic Effects:**
ACGIH, EPA, IARC, OSHA, and NTP carcinogen lists have been checked for selected similar materials or those components with CAS registry numbers.

**Styrene-Butadiene polymer (9003-55-8):**
IARC: Supplement 7, 1987; Monograph 19, 1979 (Group 3 (not classifiable))

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**
The information below is based on knowledge of this product's components and the ecotoxicity of similar products. Sewer/waterway obstruction: If aquatic animals ingest pellets, digestive tract obstruction may occur. This product is not expected to be toxic, but small particles may cause adverse physical effects in aquatic and terrestrial organisms.

**Environmental Fate/Mobility:**
The material sinks in water. Pellets are persistent in aquatic and terrestrial systems. Product should be recovered from water and land following spills. This product has not been found to migrate through soils.

**Persistence and Degradability:**
Pellets are persistent in aquatic and terrestrial systems. Do not allow product to enter sewer or waterways. Not expected to biodegrade.

**Bioaccumulation/Accumulation:**
Pellets may accumulate in the digestive systems of birds and aquatic life, causing injury and possible death due to starvation.

## 13. DISPOSAL CONSIDERATIONS

**General Product Information:**
This product, if discarded, is not expected to be hazardous waste according to US regulations or Canadian regulations. Check Local, State, Federal and Provincial Environmental Regulations prior to disposal.

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal spilled material and runoff and contact with soil, waterways, drains and sewers.

The recommended disposal methods for polymers in order of preference are: 1) clean and reuse if possible; 2) contact resin broker; 3) contact plastic recycler; 4) incinerate with waste heat recovery and/or 5) landfill. Reuse, recycling, storing, transportation and disposal must be in accordance with applicable federal, state/provincial and local regulations. DO NOT ATTEMPT TO DISPOSE OF BY UNCONTROLLED IGNITION.

Waste generator is advised to carefully consider hazardous properties and control measures needed for other materials that may be found in the waste.

*See Section 7: Handling and Storage and Section 8: Exposure Controls/Personal Protection for additional information that may be applicable for safe handling and the protection of employees.*

**Component Waste Numbers:**
No EPA Waste Numbers are applicable for this product's components.

## 14. TRANSPORT INFORMATION

This material is not regulated as a hazardous material for transportation.

## 15. REGULATORY INFORMATION

This material is **not hazardous** according to GHS criteria.

**International Regulations:**
The monomer is listed by EINECS for styrene-butadiene polymer.

**Component Analysis – International Inventory Status:**



| Component | CAS # | US – TSCA | CANADA – DSL | EU – EINECS |
|---|---|---|---|---|
| Styrene-Butadiene polymer | 9003-55-8 | Yes | Yes | Exempt |

**USA Federal and State Regulations:**
Ongoing occupational hygiene, medical surveillance programs, or site emission or spill reporting may be required by Federal or State Regulations. Check for applicable regulations.

**USA OSHA Hazard Communication Class:**
This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**USA Right-To-Know – Federal:**
None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

**USA Right-To-Know – State:**
None of this product's components are listed on the state lists from New Jersey or Pennsylvania.

**State Regulations:**
Contains ethylbenzene (<100 ppm), a chemical known to the State of California, under Proposition 65, to cause cancer. Under Proposition 65, a warning must be given unless it can be determined that exposure to a listed chemical does not pose a significant risk. This warning is hereby given such that anyone exposed to the impact polystyrene grade listed is aware of the presence of ethylbenzene. Determination of the necessity for a warning under Proposition 65 should be determined in each case and compared against the No Significant Risk Level (NSRL) published by California's Office of Environmental Health Hazard Assessment (OEHHA) on their website at: http://www.oehha.ca.gov/prop65/law/Ethylbenz032808.html

We have no information to suggest that exposure to the levels of ethylbenzene found in the listed impact polystyrene poses any significant risk to the end-user or consumer.

California residents: WARNING: Cancer and Reproductive Harm
www.p65Warnings.ca.gov
NOT LABELED FOR INDIVIDUAL SALE

**Canadian Regulations – Federal and Provincial:**
Canadian Environmental Protection Act (CEPA): The components of this product are on the Domestic Substances List (DSL), or are exempt, and are acceptable for use under the provisions of CEPA.

**WHMIS Ingredient Disclosure List (IDL):**
No components are listed in the WHMIS Ingredient Disclosure List (IDL).

**WHMIS Classification:**
Workplace Hazardous Materials Information Systems (WHMIS): this product has been classified in accordance with Canadian Controlled Product Regulations (CPR) hazard criteria and this Safety Data Sheet contains complete CPR-required information. Not controlled under WHMIS (Canada).

**Provincial Regulations:**
Ongoing occupational hygiene, medical surveillance programs, or site emission or spill reporting may be required by Federal or Provincial regulations. Check for applicable regulations.

## 16. OTHER INFORMATION

**Label Information:**
PRECAUTIONS: Product is a clear to white, inert, solid bead or pellet with slight odor. This product is not considered flammable according to OSHA, but will burn on prolonged exposure to flame or high temperature. Slipping hazard.

**Reason For Revisions:**
08/01/2018 – Added California resident warning for Prop 65.

*The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.*

# SAFETY DATA SHEET

| | |
|---|---|
| MANUFACTURER: | Rendered by OEM manufacturer to:<br>iVekter Inc. for ezoBord<br>6845 Rexwood Rd, Unit #7<br>Mississauga, Ontario Canada<br>L4V 1S4 |
| EFFECTIVE DATE: | September 25, 2019 |
| EMERGENCY CONTACT: | Phone: (416) 665-3571 ext. 1<br>Fax: (416) 665-3571<br>Email: info@ezobord.com |

## I. PRODUCT IDENTIFICATION

| | |
|---|---|
| PRODUCT NAME: | 100% Polyester Thermobonded Fiber Acoustic Sheet |
| PRODUCT USE: | Interior finish, office furniture |
| RECOMMENDED USE: | Interior use |
| CHEMICAL FAMILY: | Polyester Staple Fiber |
| CHEMICAL NAME: | Polyethylene Terephthalate |
| CAS NUMBER: | 25038-59-9 |
| DOCUMENT VERSION: | 3 |

| | HMIS |
|---|---|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| REACTIVITY | 0 |

## II. HAZARDOUS INGREDIENTS

None.

## III. PHYSICAL DATA

| | |
|---|---|
| APPEARANCE: | Solid |
| COLOR: | Varies with the addition of pigments to fibers |
| ODOR: | Non / Negligible |
| SOLUBILITY IN WATER: | Insoluble |
| % VOLATILE BY VOLUME: | Trace Amounts |

## IV. FIRE AND EXPLOSION INFORMATION

| | |
|---|---|
| FLASH POINT: | Not Applicable |
| AUTOIGNITION TEMPERATURE: | Not Applicable |
| EXTINGUISHING MEDIA: | Water, Foam, and Dry Chemical |
| SPECIAL FIRE FIGHTING PROCEDURES /UNUSUAL FIRE OR EXPOLSION HAZARDS: | Full emergency equipment with a self-contained breathing apparatus and full protective clothing should be worn. During a fire, irritating vapors and toxic gases may be generated. |

## V. HEALTH EFFECTS

| | |
|---|---|
| EFFECTS OF OVEREXPOSURE: | No adverse health effects have been observed. Human experience indicates no irritation upon skin. |

## VI. FIRST AID

| | |
|---|---|
| EYES: | Irrigate immediately with water for at least 15 minutes. |
| SKIN: | No adverse effects anticipated by this route of exposure incidental to proper industrial handling. If irritation develops, wash with soap and water. |

| | |
|---|---|
| INHALATION: | Not an expected route of entry. If symptoms occur, remove person to fresh air. |
| INGESTION: | Not expected route of entry. If swallowed, consult a physician. |

## VII. PERSONAL PROTECTION RECOMMENDATIONS

Safety glasses are advisable when cutting fiber. Adequate ventilation and Respiratory protection are recommended when cutting fiber with a hot wire or when flame laminating.

## VIII. REACTIVITY DATA

| | |
|---|---|
| STABILITY: | Stable |
| POLYMERIZATION: | Will not occur |
| INCOMPATIBILITY: | None |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Burning fiber may produce toxic decomposition products including carbon monoxide, carbon dioxide, acetaldehyde and other harmful products. |

## IX. SPILL OR LEAK PROCEDURES

| | |
|---|---|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: | Collect as normal combustible solid waste. Recycle waste polyester fabric or dispose in an approved incinerator or landfill. |

## X. TRANSPORTATION

DOT REGULATION: Not regulated.

## XI. SPECIAL PRECAUTIONS AND STORAGE

Store fiber in areas equipped with sprinkler systems. FIBER WILL BURN! Do not expose fiber to open flames, burning cigarettes, space heaters, naked lights, or other sources of intense heat. If ignited, fiber will burn rapidly, consuming oxygen quickly and producing toxic gases.

## XII. ADDITIONAL INFORMATION

The information supplied herein is presented in good faith and believed to be accurate to the best knowledge of iVekter Inc. However, since conditions of use are beyond the control of iVekter Inc., iVekter Inc. makes no warranties, expressed or implied, as to the use of this information or the fitness of this product for a particular purpose.

# Safety Data Sheet

**Product Identifier: Mineral Fiber Acoustical Ceiling Tiles and Wall Panels (Class A) #1** **SDS ID: ARM-003**

## * * *Section 1 - IDENTIFICATION* * *

**Material Name:** Mineral Fiber Acoustical Ceiling Tiles and Wall Panels (Class A) #1

**Chemical Family**

Man-made vitreous fiber ceiling tile

**Recommended Use**

acoustical ceiling tiles

**Restrictions on Use**

None known.

**Manufacturer Information**

Armstrong World Industries
2500 Columbia Ave.
Lancaster, PA 17603

Phone #: 877 276 7876
Email: techline@armstrongceilings.com
Emergency #: 1 800 255 3924 (ChemTel)
www.armstrongceilings.com

## * * *Section 2 - HAZARD(S) IDENTIFICATION* * *

**Classification in accordance with 29 CFR 1910.1200.**

Not classified as hazardous

**GHS LABEL ELEMENTS**

**Symbol(s)**

None

**Signal Word**

None

**Hazard Statement(s)**

None

**Precautionary Statement(s)**

During the installation be certain that the work site is well ventilated and avoid breathing dust. Avoid contact with skin or eyes. Wear long-sleeve, loose fitting clothes, gloves and eye protection. Cut and trim with knife, razor or hand saw. Do not cut with power equipment unless either a dust collector is used on the equipment or local exhaust is used and a NIOSH approved respirator is worn to prevent ovrexposure to airborne silica. Exposures to respirable crystalline silica are not detected in industrial hygiene testing on workers installing acoustical ceiling panels for an 8 hour work day and are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. Panels do not release respirable dust in their installed state and therefore do not present any known health hazards when installed and properly maintained.

**Prevention**

Do not breathe dust, mist, fumes or vapors. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Obtain special instructions before use. Use only outdoors or in a well-ventilated area.

**Response**

IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal**

Dispose in accordance with all applicable regulations.

## * * *Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS* * *

| CAS | Component | Percent |
|---|---|---|
| Not Available | Newsprint | Non-hazardous |
| 130885-09-5 | Perlite | Non-hazardous |
| 65997-17-3 | Fiberglass | <13% |
| 1317-65-3 | Ground Calcium carbonate | Non-hazardous |
| Not Available | Mineral-wool | Non-hazardous |
| 9005-25-8 | Starch | Non-hazardous |
| 1332-58-7 | Aluminium hydrous silicate: Kaolin clay | Non-hazardous |
| 14808-60-7 | Quartz(inbound) | 0.1-1% |
| 1309-64-4 | Antimony oxide (Sb2O3) | 0.1 – 0.5% |

## * * *Section 4 - FIRST-AID MEASURES* * *

**Description of Necessary Measures**

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact**

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.

**Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**

If a large amount is swallowed, get immediate medical attention.

**Most Important Symptoms/Effects**

**Acute**

eye irritation, skin irritation, respiratory tract irritation.

**Delayed**

cancer hazard, lung damage.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Needed**

Treat symptomatically and supportively.

## * * *Section 5 - FIRE-FIGHTING MEASURES* * *

**Suitable Extinguishing Media**

carbon dioxide, regular dry chemical, regular foam, water spray

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the chemical**

Combustible dust. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Toxic fumes may be released in case of fire.

**Hazardous Combustion Products**

**Combustion:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**Fire Fighting Measures**

Keep away from sources of ignition - No smoking. Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

**Special Protective Equipment and Precautions for Firefighters**

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

## * * *Section 6 - ACCIDENTAL RELEASE MEASURES* * *

**Personal Precautions, Protective Equipment and Emergency Procedures**

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate personal protective equipment. Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with skin and eyes. Do not breathe dust. If respirable dusts are generated, respiratory protection may be needed. Collect spillage. In case of spillage, stop the flow of material and block any potential routes to water systems. Only personnel trained for the hazards of this material should perform clean up and disposal. Avoid release to the environment.

**Methods and Materials for Containment and Cleaning Up**

Keep out of water supplies, sewers and soil. In case of spillage, stop the flow of material and block any potential routes to water systems. Collect spilled material using mechanical equipment. Keep unnecessary people away, isolate hazard area and deny entry. Avoid dust generation and accumulation. Keep container tightly closed. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use non-sparking tools and equipment.

## * * *Section 7 - HANDLING AND STORAGE* * *

**Precautions for Safe Handling**

Do not handle until all safety precautions have been read and understood. Keep away from all ignition sources. Do not breathe dust. Use methods to minimize dust. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Take precautionary measures against static discharge. Dissipate static electricity during transfer by earthing (grounding and bonding) containers and equipment.

**Conditions for Safe Storage, including any Incompatibilities**

Store in a cool, dry place. Store in a well-ventilated place. Avoid contact with molten material. Keep separated from incompatible substances. Keep container tightly closed. Empty containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Store and handle in accordance with all current regulations and standards.

**Incompatibilities:** Not available

## * * *Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION* * *

**Exposure Limits**

Follow all applicable exposure limits. Minimize dust generation and accumulation.

**Component Exposure Limits**

**Fiberglass (65997-17-3)**

**ACGIH:** 1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, related to Glass wool fiber)

**NIOSH:** 3 fiber/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total, related to Glass wool fiber)

**Ground Calcium carbonate (1317-65-3)**

**OSHA:** 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

**NIOSH:** 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)

**Mexico** 10 mg/m3 TWA LMPE-PPT
20 mg/m3 STEL [LMPE-CT]

**Starch (9005-25-8)**

**ACGIH:** 10 mg/m3 TWA

**OSHA:** 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

**NIOSH:** 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)

**Aluminium hydrous silicate: Kaolin clay (1332-58-7)**

**ACGIH:** 2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)

**OSHA:** 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

**NIOSH:** 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)

**Mexico** 10 mg/m3 TWA LMPE-PPT
20 mg/m3 STEL [LMPE-CT]

**Quartz(inbound) (14808-60-7)**

**ACGIH:** 0.025 mg/m3 TWA (respirable fraction)

**NIOSH:** 0.05 mg/m3 TWA (respirable dust)

**Mexico** 0.1 mg/m3 TWA LMPE-PPT (respirable fraction)

**Antimony oxide (Sb2O3) (1309-64-4)**

**Mexico** 0.5 mg/m3 TWA LMPE-PPT (handling and use, as Sb); 1 mg/m3 TWA LMPE-PPT (production)

**Appropriate Engineering Controls**

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of these product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Use only appropriately classified electrical equipment and powered industrial trucks.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eyes/Face Protection**

Wear splash resistant safety goggles with a faceshield.

**Skin Protection**

Wear appropriate chemical resistant clothing.

**Glove Recommendations**

Wear appropriate chemical resistant gloves.

**Respiratory Protection**

A NIOSH approved respirator with organic vapor cartridges and N95 filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

## * * *Section 9 - PHYSICAL AND CHEMICAL PROPERTIES* * *

| | | | |
|---|---|---|---|
| **Physical State:** | Solid | **Appearance:** | fibrous forms |
| **Color:** | various colors | **Physical Form:** | solid |
| **Odor:** | None | **Odor Threshold:** | Not available |
| **pH:** | Not available | **Melting Point:** | Not available |
| **Boiling Point:** | Not available | **Flash Point:** | Not available |
| **Decomposition:** | Not available | **Evaporation Rate:** | Not available |
| **OSHA Flammability Class:** | Not available | **Vapor Pressure:** | Not available |
| **Vapor Density (air = 1):** | Not available | **Density:** | Not available |
| **Specific Gravity (water = 1):** | Not available | **Water Solubility:** | Insoluble |
| **Log KOW:** | Not available | **Coeff. Water/Oil Dist:** | Not available |
| **Auto Ignition:** | Not available | **Viscosity:** | Not available |
| **VOC:** | Not available | **Volatility:** | Not available |
| **Molecular Formula:** | Not available | | |

## * * *Section 10 - STABILITY AND REACTIVITY* * *

**Reactivity**

None known.

**Chemical Stability**

Stable at normal temperatures and pressure.

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid generating dust. Avoid contact with molten material.

**Incompatible Materials**

Not available

**Hazardous Decomposition**

**Combustion:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## * * *Section 11 - TOXICOLOGICAL INFORMATION* * *

**Acute Toxicity**

No information available for the product. See component data.

**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

**Quartz(inbound) (14808-60-7)**

Oral LD50 Rat 500 mg/kg

**Antimony oxide (Sb2O3) (1309-64-4)**

Oral LD50 Rat >34600 mg/kg

**Information on Likely Routes of Exposure**

**Inhalation**

Causes respiratory tract irritation.

**Ingestion**

No information on significant adverse effects.

**Skin Contact**

Causes skin irritation.

**Eye Contact**

Causes eye irritation.

**Immediate Effects**

eye irritation, skin irritation, respiratory tract irritation.

**Delayed Effects**

cancer hazard, lung damage.

**Medical Conditions Aggravated by Exposure**

No data available.

**Irritation/Corrosivity Data**

Causes eye irritation, skin irritation, and respiratory tract irritation.

**Respiratory Sensitization**

No information available for the product.

**Dermal Sensitization**

No information available for the product.

**Germ Cell Mutagenicity**

No information available for the product.

**Carcinogenicity**

**Component Carcinogenicity**

**Fiberglass (65997-17-3)**

**ACGIH:** A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (related to Glass wool fiber)

**IARC:** Monograph 81 [2002]; Monograph 43 [1988] (Group 3 (not classifiable), related to Glass wool fiber)

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (inhalable); Reasonably Anticipated To Be

A Human Carcinogen (biopersistent, related to Glass wool fiber)

**OSHA:** Present (related to Glass wool fiber)

**Starch (9005-25-8)**

**ACGIH:** A4 - Not Classifiable as a Human Carcinogen

**Aluminium hydrous silicate: Kaolin clay (1332-58-7)**

**ACGIH:** A4 - Not Classifiable as a Human Carcinogen

**DFG:** Category 3B (could be carcinogenic for man)

**Quartz(inbound) (14808-60-7)**

**ACGIH:** A2 - Suspected Human Carcinogen

**IARC:** Monograph 100C [2012]; Monograph 68 [1997] (Group 1 (carcinogenic to humans))

**NTP:** Known Human Carcinogen (respirable size)

**DFG:** Category 1 (causes cancer in man, alveola fraction)

**OSHA:** Present (respirable size)

**Antimony oxide (Sb2O3) (1309-64-4)**

**ACGIH:** A2 - Suspected Human Carcinogen (production)

**IARC:** Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

**OSHA:** Present

**Reproductive Toxicity**

No information available for the product.

**Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**

lung damage

**Aspiration Hazard**

No data available.

## * * *Section 12 - ECOLOGICAL INFORMATION* * *

**Ecotoxicity**

No information available for the product.

**Component Analysis - Aquatic Toxicity**

**Antimony oxide (Sb2O3) (1309-64-4)**

**Fish:** 96 Hr LC50 Pimephales promelas: >80 mg/L [static]; 96 Hr LC50 Brachydanio rerio: >1000 mg/L [static]

**Algae:** 72 Hr EC50 Pseudokirchneriella subcapitata: 0.63 - 0.8 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 0.65 - 0.81 mg/L

**Invertebrate:** 48 Hr EC50 Daphnia magna: >1000 mg/L; 48 Hr EC50 Daphnia magna: 361.5 - 496.0 mg/L [Static]

**Persistence and Degradability**

No information available for the product.

**Bioaccumulation**

No information available for the product.

**Mobility**

No information available for the product.

## * * *Section 13 - DISPOSAL CONSIDERATIONS* * *

**Disposal Methods**

Dispose in accordance with all applicable regulations. Regulations vary. Consult local authorities before disposal.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

**Disposal of Contaminated Packaging**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## * * *Section 14 - TRANSPORT INFORMATION* * *

**US DOT Information**

Not regulated as a hazardous material.

**TDG Information**

No Classification assigned.

**Marine Pollutant**

No component(s) of this material is specifically listed in the IMDG Code as an identified marine pollutant.

## * * *Section 15 - REGULATORY INFORMATION* * *

**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

**Antimony oxide (Sb2O3) (1309-64-4)**

**CERCLA:** 1000 lb final RQ; 454 kg final RQ

**SARA 311/312**

**Acute Health:** Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS | CA | MA | MN | NJ | PA |
|---|---|---|---|---|---|---|
| Fiberglass | 65997-17-3 | No | No | Yes | No | No |
| Ground Calcium carbonate | 1317-65-3 | No | Yes | Yes | Yes | Yes |
| Starch | 9005-25-8 | No | Yes | Yes | No | Yes |
| Aluminium hydrous silicate: Kaolin clay | 1332-58-7 | No | Yes | Yes | Yes | Yes |
| Quartz(inbound) | 14808-60-7 | No | Yes | Yes | Yes | Yes |
| Antimony oxide (Sb2O3) | 1309-64-4 | Yes | Yes | Yes | Yes | Yes |

**Canadian Classification**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Canadian WHMIS Ingredient Disclosure List (IDL)**

There are no components listed on the Ingredients Disclosure List.

**Canada-WHMIS**

WHMIS CLASSIFICATION: D2A D2B.

**Chemical Inventory Listings**

**Component Analysis - Inventory**

| Component | CAS | US | CA | EU | AU | PH | JP | KR | CN | NZ |
|---|---|---|---|---|---|---|---|---|---|---|
| Perlite | 130885-09-5 | No | No | No | No | No | No | Yes | Yes | No |
| Fiberglass | 65997-17-3 | Yes | DSL | EIN | Yes | Yes | Yes | Yes | Yes | Yes |
| Ground Calcium carbonate | 1317-65-3 | Yes | NSL | EIN | Yes | Yes | Yes | Yes | Yes | Yes |
| Starch | 9005-25-8 | Yes | DSL | EIN | Yes | Yes | Yes | Yes | Yes | Yes |
| Aluminium hydrous silicate: Kaolin clay | 1332-58-7 | Yes | DSL | EIN | Yes | Yes | Yes | Yes | Yes | Yes |
| Quartz(inbound) | 14808-60-7 | Yes | DSL | EIN | Yes | Yes | Yes | Yes | Yes | Yes |
| Antimony oxide (Sb2O3) | 1309-64-4 | Yes | DSL | EIN | Yes | Yes | Yes | Yes | Yes | Yes |

## * * *Section 16 - OTHER INFORMATION* * *

**Summary of Changes**

New SDS: 06/12/2013

**NFPA Ratings: Health:** 2 **Fire:** 1 **Reactivity:** 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Key / Legend**

ACGIH =American Conference of Governmental Industrial Hygienists; AU = Australia; BOD = Biochemical Oxygen Demand; C = Celsius; CA = California; CAN = Canada; CAS = Chemical Abstract Service; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; CFR = Code of Federal Regulations; CN = Canada; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Canadian Domestic Substance List; EPA = Environmental Protection Agency; EU = European Union; IARC = International Agency for Research on Cancer; IDL = Ingredient Disclose List; IDLH = Immediately Danger to Life and Health; JP = Japan; KR = Korea; LC50 = Lethal Concentration; LD50 = Lethal Dose; LEL = Lower Explosive Limit; LMPE-CT =Mexico STEL equivalent; LMPE-PPT = Mexico TWA equivalent; MSDS = Material Safety Data Sheet; NIOSH = National Institute of Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; NZ = New Zealand; OEL = Occupational Exposure Limit; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit; PH = Philippines; RQ = Reportable Quantity; SARA = Superfund Amendments Act; SDS = Safety Data Sheet; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substance Control Act; TWA = Time Weighted Average; UEL = Upper Explosive Limit; UN = United Nations; US = United State; WHMIS = Workplace Hazardous Materials Information System

**Other Information**

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse. Disclaimer: Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

End of Sheet ARM-003

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **SHEETROCK® Brand Dur-A-Bead® Corner Bead**

**Other means of identification**

**SDS number** 18000054003

**Manufacturer name:** SHEETROCK® Brand Metal Trim

**Synonyms** Metal Corner Bead or Trim

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer / Importer / Supplier / Distributor information**

**Company name** United States Gypsum Company

**Address** 550 West Adams Street
Chicago, Illinois 60661-3637

**Telephone** 1-800-874-4968

**Website** www.usg.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if any cut or injury occurs that cannot be treated using standard first aid practices.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Steel | 65997-19-5 | > 80 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas.

Product is composed of galvanized steel. The following list identifies those elements which may exist in steel or which may comprise compounds present in steel or alloy steels. Aluminum, beryllium, boron, calcium, carbon, cerium, chromium, cobalt, copper, hafnium, iron, lanthanum, lead, magnesium, manganese, molybdenum, nickel, niobium, nitrogen, oxygen, phosphorus, selenium, silicon, sulfur, tantalum, tin, titanium, tungsten, vanadium, yttrium, zinc, zirconium

## 4. First-aid measures

**Inhalation** Due to the physical nature of this product, inhalation is unlikely. There are no known health effects due to inhalation.

**Skin contact** Edges and notches (where present) may be sharp and can cut skin. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area. Seek medical attention for severe cuts or abrasions.

**Eye contact** Sharp edges and notches (where present) may cause cuts and irritation. If eye is cut or otherwise damaged, seek medical attention.

| | |
|---|---|
| **Ingestion** | Due to the physical nature of this product, ingestion is unlikely. There are no known health effects due to ingestion. |
| **Most important symptoms/effects, acute and delayed** | Under normal conditions of intended use, this material does not pose a risk to health. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | Not applicable. |
| **Specific hazards arising from the chemical** | Not a fire hazard. |
| **Special protective equipment and precautions for firefighters** | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire-fighting equipment/instructions** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **Specific methods** | Cool material exposed to heat with water spray and remove it if no risk is involved. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | See Section 8 of the SDS for Personal Protective Equipment. |
| **Methods and materials for containment and cleaning up** | No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Edges and notches (where present) may be sharp and can cut skin. Unload from package with caution and handle carefully. |
| **Conditions for safe storage, including any incompatibilities** | Store away from incompatible materials. Protect product from physical damage. Falling pieces can pose an injury hazard. Do not store open boxes or individual pieces above chest level. |

## 8. Exposure controls/personal protection

| | |
|---|---|
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate engineering controls** | Not required. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Wear approved safety goggles. |
| **Skin protection** | |
| **Hand protection** | It is a good industrial hygiene practice to minimize skin contact. Use suitable protective gloves. |
| **Other** | Normal work clothing (long sleeved shirts and long pants) is recommended. |
| **Respiratory protection** | Respiratory protection not required, under normal use. |
| **Thermal hazards** | None. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | |
| **Physical state** | Solid. |
| **Form** | Metal strip |
| **Color** | Gray. |
| **Odor** | Low to no odor. |
| **Odor threshold** | Not applicable. |
| **pH** | Not applicable. |
| **Melting point/freezing point** | 2400 - 2800 °F (1315.56 - 1537.78 °C) |
| **Initial boiling point and boiling range** | Not applicable. |
| **Flash point** | Not applicable. |

| | |
|---|---|
| **Evaporation rate** | Not applicable. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not applicable. |
| **Flammability limit - upper (%)** | Not applicable. |
| **Explosive limit - lower (%)** | Not applicable. |
| **Explosive limit - upper (%)** | Not applicable. |
| **Vapor pressure** | Not applicable. |
| **Vapor density** | Not applicable. |
| **Relative density** | 7 - 8 (H2O=1) |
| **Solubility(ies)** | |
| **Solubility (water)** | Insoluble in water. |
| **Partition coefficient (n-octanol/water)** | Not applicable. |
| **Auto-ignition temperature** | Not applicable. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Bulk density** | 480 - 500 lb/ft³ |
| **Particle size** | Varies. |
| **VOC (Weight %)** | 0 % |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | Not available. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Contact with incompatible materials. |
| **Incompatible materials** | Strong acids. |
| **Hazardous decomposition products** | Metal oxides. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Ingestion** | Not likely, due to the form of the product. |
| **Inhalation** | Not likely, due to the form of the product. |
| **Skin contact** | Under normal conditions of intended use, this material does not pose a skin hazard. Sharp edges may cause cuts and irritation. |
| **Eye contact** | Direct contact with eyes may cause irritation, cuts or abrasions. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Under normal conditions of intended use, this material does not pose a risk to health. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | None known. |
| **Skin corrosion/irritation** | Edges and notches (where present) may be sharp and can cut skin. |
| **Serious eye damage/eye irritation** | Contact with sharp edges and notches (where present) may cut the eye and cause eye damage. |
| **Respiratory or skin sensitization** | |
| **Respiratory sensitization** | No data available. |
| **Skin sensitization** | Not a skin sensitizer. |
| **Germ cell mutagenicity** | Not expected to be mutagenic. |
| **Carcinogenicity** | Not expected to cause cancer. |
| **Reproductive toxicity** | Not expected to be a reproductive hazard. |
| **Specific target organ toxicity - single exposure** | No data available, but none expected. |

| | |
|---|---|
| **Specific target organ toxicity - repeated exposure** | No data available, but none expected. |
| **Aspiration hazard** | Due to the physical form of the product it is not an aspiration hazard. |
| **Further information** | No other specific acute or chronic health impact noted. |

## 12. Ecological information

| | |
|---|---|
| **Ecotoxicity** | Metals in massive forms presents a limited hazard for the environment. |
| **Persistence and degradability** | The product is not biodegradable. |
| **Bioaccumulative potential** | Bioaccumulation is not expected. |
| **Mobility in soil** | Metals in massive form are not mobile in the environment. |
| **Other adverse effects** | None expected. |

## 13. Disposal considerations

| | |
|---|---|
| **Disposal instructions** | The steel in this product is recyclable. Dispose in accordance with applicable federal, state, and local regulations. |
| **Local disposal regulations** | Dispose of in accordance with local regulations. |
| **Hazardous waste code** | Not regulated. |
| **Waste from residues / unused products** | Dispose of in accordance with local regulations. |
| **Contaminated packaging** | Dispose of in accordance with local regulations. |

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

| | |
|---|---|
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code. |

## 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

| | |
|---|---|
| **SARA 311/312 Hazardous chemical** | No |

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

| | |
|---|---|
| **Safe Drinking Water Act (SDWA)** | Not regulated. |

**US state regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 05-February-2014

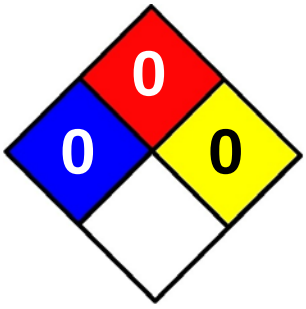
**Revision date** -

**Version #** 01

**Further information** This product as sold and under normal conditions of intended use, does not present an inhalation, ingestion or skin hazard. However, individual user processes, (such as welding, sawing, brazing, grinding, abrasive blasting, and machining) may result in the formation of fumes, dust (combustible or otherwise), and/or particulate that may present a variety of health hazards. Molten steel is also hazardous.

NFPA Ratings:
Health: 0
Flammability: 0
Physical hazard: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA Ratings**




**List of abbreviations** NFPA: National Fire Protection Association.

**References** HSDB® - Hazardous Substances Data Bank

**Disclaimer** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

GRABBER CONSTRUCTION PRODUCTS "The Professional's Choice"™

# SAFETY DATA SHEET

Date of issue: 09/01/2019

## Section 1: Identification

| | |
|---|---|
| **Trade name:** | GRABBER Screws, Nails and Staples |
| **Product code:** | Various |
| **Product category:** | Mechanical Fasteners |
| **Manufacturer/Supplier:** | Grabber Construction Products, Inc. 5255 West 11000 North Highland, Utah<br>1-800-477-TURN www.GrabberPro.com |
| **Emergency telephone number:** | 1-801-492-3880 |

## Section 2: Hazard(s) Identification

General Information: Fastener products are deemed "Articles" and are exempt from Safety Data Sheet (SDS) requirements under the Hazard Communication Standard – 29 CFR 1910.1200(b)(6)(v) – see below. ARTICLE: For the purpose of hazard communication, fastener products are "Articles" as defined in 29 CFR 1910.1200(c): Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.

As "Articles," neither a Safety Data Sheet (SDS) nor a GHS-Compliant label is required for these products. This SDS is provided to our customers as a voluntarily-offered resource of limited information to promote safe handling and proper use of our products; and as a courtesy and service.

Classification(s): Under normal-use conditions, our mechanical fastener products are not expected to pose any health or safety hazards and does not meet the criteria for GHS Classification. However, unlikely conditions of welding, grinding, brazing, cutting, etc. may create dust and Particulate-Matter (PM) pollution that may cause health hazards. Improper use of mechanical anchors may result in safety hazards.

GHS Physical Hazard and Health Hazard Classifications: None applicable

Physical Hazards Not Otherwise Classified: None

Health Hazards Not Otherwise Classified: None

Symbol(s):

Signal Word(s): WARNING! (see *Sections 11 and 15*)

Hazard Statement(s): see *Sections 11 and 15*

Precautionary Statement(s): *Prop 65 WARNING Label as specified in Section 15*

## Section 3: Composition/information on ingredients

**T**his product is composed of various metals, and may have ferrous or non-ferrous plating

## Section 4: First-Aid Measures

General Information: Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

Exposure Risk: Routes of Exposure

Irritant effects: **S**ymptoms include itching, burning, redness, tearing, and blurred vision; discomfort in the chest, shortness of breath, coughing.

Eye Contact: If experiencing eye irritation due to dust, flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. Remove contact lenses if present and easy to do. If you experience redness, burning, blurred vision, or swelling, consult a physician.

Skin Contact: If experiencing skin irritation, wash affected area with soap and water. Do not apply greases or ointments. If rash or irritation occurs consult a physician.

Ingestion: Rinse mouth immediately. Do not induce vomiting. Consult a physician.

Inhalation: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to have trouble breathing, consult a physician.

## Section 5: Fire-Fighting Measures

Extinguishing Media: None Applicable

Fire and Explosion Hazards: In the form of a solid alloy, this product will not burn.

Firefighting Instructions: None Applicalbe

## Section 6: Accidental Release

Methods and Materials: None Applicable

Personal Precautions: None Applicable

Environmental Precautions: None Applicable

## Section 7: Handling and

**Wear appropriate personal protective equipment. Avoid generating dust. If grinding or cutting, use work methods which minimize dust production. Avoid inhalation of dust. Ensure adequate ventilation. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling.**
**Storage**

**Store in a closed container away from incompatible materials.**

## Section 8: Exposure Controls/Personal Protection

| | |
|---|---|
| Protective Measure: | Wear appropriate personal protective equipment. Protective coatings are used on some mechanical anchors. Typically, this will be commercial zinc, zinc plating with chromate conversion coating, hot dipped galvanizing, ceramic plating, or mechanically galvanized plating. This information should be considered when evaluating employee personal protective equipment. |
| Eye Protection: | Wear goggles or safety glasses. |
| Hand Protection: | Gloves recommended. |
| Skin and Body Protection: | Wear long sleeve shirt/long pants and other clothing as required to minimize contact. In case of dust production, wear dust-proof clothing. |
| Respirator Protection: | Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits. |
| General Hygiene: | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| Engineering Controls: | Use outdoors or ensure good ventilation when working indoors. Provide eyewash station and emergency shower. |
| Exposure Limits: | No exposure limits noted for ingredients. |

## Section 9: Physical and Chemical Properties

Physical State: Solid
Form: Solid
Color: Gray/Various Colors
Odor: None
Odor Threshold: N/A
pH: N/A
Flammability: N/A
Vapor Pressure: N/A
Solubility: N/A
Decomposition: N/A
Freezing/Melting Point: 2700°F (1500°C)

Boiling Point: N/A
Flash Point: N/A
Evaporation Rate: N/A
Specific Gravity: N/A
VOC: N/A
U/L Flammability: N/A
Vapor Density: N/A
Oil-Water Partition Coefficient: N/A
Viscosity: N/A

## Section 10: Stability and Reactivity

| | |
|---|---|
| Reactivity: | Stable and non-reactive under normal conditions of use and storage. |
| Chemical Stability: | Stable and non-reactive under normal conditions of use and storage. |
| Conditions to Avoid: | None known. |
| Substances to Avoid: | Strong oxidizers. Strong acids and bases. |
| Hazardous Reactions: | Hazardous polymerization will not occur. |
| Decomposition Products: | Carbon dioxide, carbon monoxide, oxides of nitrogen, other organic compounds. Thermal oxidative decomposition of galvanized steel products. |

## Section 11: Toxicological Information

LD50 Oral and LD50 Dermal and LC50: Not applicable to this form of product

Ingredients Toxicology Data: Carbon (C), Iron (Fe), Manganese (Mn), Phosphorus (P), Sulfur (S), Nickel (Ni), Silicon (Si), Chromium (Cr), and Zinc (Zn).

Primary Route(s) of Entry: None applicable.

Eye Hazards: None applicable.

Skin Hazards: None applicable.

Ingestion Hazards: None applicable.

Inhalation Hazards: None applicable.

Symptoms Related to Overexposure: None applicable.

Delayed Effects from Long Term Overexposure: None applicable.

Carcinogenicity: Stainless Steel and Yellow Zinc coatings - Nickel and Hexavalent Chromium are known to cause cancer (see *Section 15* for *Regulatory Information*).

Germ Cell Mutagenicity: Zinc Coatings only - Hexavalent Chromium is known to cause reproductive harm (see Section 15 for Regulatory Information).

Reproductive Toxicity: Zinc Coatings only - Hexavalent Chromium is known to cause reproductive harm (see *Section 15* for *Regulatory Information*).

Acute Toxicity Estimates: Not applicable

Interactive effects of components: Not applicable

## Section 12: Ecological Information (non-mandatory)

No data available for Aquatic Toxicity to Fish, Invertebrates, Plants, or Microorganisms, Toxicity to Terrestrial Animals, Toxicity to Terrestrial Plants, Persistence and Biodegradability, Bioaccumulation Potential, or Mobility in Soil.

This product contains no ingredients known to deplete the ozone layer.

## Section 13: Disposal Considerations

Waste Disposal of Substance: Do not allow material into sewers/water supplies.

Do not contaminate ponds, waterways or ditches.

Dispose of contents/container in accordance with local/regional/national/ international regulations.

Steel scrap should be recycled whenever possible.

Container Disposal: Empty containers or liners may retain some product residues; follow label warnings even after container is emptied. Empty containers should be disposed of in accordance with local/regional/ national/international regulations.

## Section 14: Transport Information

Not Applicable

## Section 15: Regulatory Information

Federal Regulations: This product is an "Article" as defined by the OSHA Hazard Communication standard, 29 CFR 1910.1200 and is deemed exempt.

Canadian Regulatory Information: None applicable to the form of product.

**Zinc coatings only**: California Proposition 65 Information:

**WARNING:** These products can expose you to chemicals, including hexavalent chromium, which is known in the State of California to cause cancer and reproductive harm. For more information, go to http://www.p65warnings.ca.gov.

**Stainless Steel only**: California Proposition 65 Information:

**WARNING:** These products can expose you to chemicals, including nickel, which is known in the State of California to cause cancer and reproductive harm. For more information, go to http://www.p65warnings.ca.gov.

## Section 16: Other Information

Hazardous Materials Information System (HMIS III) Ratings: Not applicable to the form of product.

Personal Protective Equipment: None required under anticipated conditions of use.

National Fire Protection Association (NFPA) Ratings: Not applicable to the form of product.

Publication Date: 1 September 2019 - Revision Date: Not applicable - Date of Prior SDS: Not applicable.

DISCLAMIMER: As "Articles," neither a Safety Data Sheet (SDS) nor a GHS-Compliant label is required for these products. This SDS is provided to our customers as a voluntarily-offered resource of limited information to promote safe handling and proper use of our products; and as a courtesy and service.

SERIOUS ENERGY

# *MATERIAL SAFETY DATA SHEET*

## EZ-SNAP

| 1. Product And Company Identification | |
|---|---|
| **Supplier**<br>**Serious Energy, Inc**<br>**1250 Elko Dr**<br>**Sunnyvale, CA 94089**<br><br>**Telephone Number:** 408-541-8000<br>**FAX Number:** 408-715-2560<br>**E-Mail:** support@seriousenergy.com<br>**Web Site:** www.seriousenergy.com | **Manufacturer**<br>**Serious Energy, Inc**<br>**1250 Elko Dr**<br>**Sunnyvale, CA 94089**<br><br>**Telephone Number:** 408-541-8000<br>**FAX Number:** 408-715-2560<br>**E-Mail:** support@seriousenergy.com<br>**Web Site:** www.seriousenergy.com |
| **Supplier Emergency Contacts & Phone Number**<br>Safety Officer – 408-541-8000 | **Manufacturer Emergency Contacts & Phone Number**<br>Safety Officer – 408-541-8000 |
| **Issue Date:** 10/05/2009<br>**Revision Date:** 6/24/2011<br><br>**Product Name:** QuietRock ES and QuietRock ES Mold Resistant<br>**MSDS Number:** QR0708-B<br><br>**Product Code:** QR-ES, QR-ES MR<br>**Product/Material Uses** - Multi-layer soundproof drywall. | |

| 2. Composition/Information on Ingredients | | |
|---|---|---|
| **Ingredient Name** | **CAS Number** | **Percent of Total Weight** |
| Gypsum (Calcium Sulfate Dihydrate) | 10101-41-4 | > 80 |
| Cellulose | 9004-34-6 | < 10 |
| Paraffin Wax | mixture | < 10 |
| Vermiculite | 1318-00-9 | < 10 |
| Starch | 9005-25-8 | < 3 |
| Proprietary Polymers | confidential | < 3 |
| Rosin Ester | confidential | < 3 |
| Quartz (Crystalline Silica) | 14808-60-7 | < 3 |
| Fiberglass | 65997-17-3 | < 2 |
| N,N dimethylethanolamine | 108-01-0 | < 1 |
| Barium metaborate monohydrate | 13701-59-2 | < 0.2 |
| Sodium o-phenylphenate | 132-27-4 | trace |
| 2-(Thiocyanomethylthio)benzothiazole (TCMTB) | 21564-17-0 | trace |

| *EMERGENCY OVERVIEW* |
|---|
| **CAUTION: Dust generated from cutting, sanding, grinding, machining or sawing may cause irritation of the upper respiratory tract, eyes and skin. Use exposure controls or personal protection methods described in Section 8.** |

## 3. Hazards Identification

**Likely Routes of Exposure:** Skin contact, eye contact, and inhalation.

**EFFECTS OF OVEREXPOSURE**

**Potential Health Effects:**

**Eye Hazards –** Exposure to airborne dust may cause immediate or delayed mechanical irritation of eyes.

**Skin Hazards –** Dust and glass fibers may produce dryness, itching, rash and redness. Frequent exposure may have a drying effect on skin.

**Ingestion Hazards –** Not applicable under normal conditions of use. May result in internal discomfort or ill effects if large quantities are swallowed.

**Inhalation Hazards –** Exposure to airborne dust generated during the handling or use of the product may cause irritation to nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated. Prolonged inhalation of dust may cause lung disease such as silicosis due to the presence of free crystalline silica. Exposures to respirable crystalline silica have not been documented during normal use of this product. However, good housekeeping practices and industrial hygiene monitoring is recommended when the potential for significant exposure exists. During demolition, TCMTB in the paper may become airborne.

**Medical Conditions Aggravated By Exposure:** Because of irritating properties, dust and glass fibers may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes and respiratory system

## 4. First Aid Measures

**Eye:** Immediately flush eye thoroughly with water for at least 15 minutes. Remove contact lenses (if applicable). Seek medical attention if irritation persists.

**Skin:** Wash skin with mild soap and plenty of water. Seek medical treatment if irritation develops and persists.

**Ingestion:** Not known. May result in obstruction and irritation if ingested. Seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention if symptoms persist.

## 5. Fire Fighting Measures

**Flammability Class:** Non-Flammable by OSHA/WHMIS criteria.

**Products of Combustion:** Above 1450$^{o}$C, gypsum will decompose to calcium oxide with releases of sulfur dioxide and various oxides of carbon.

**Fire And Explosion Hazards:** None. Not combustible.

**Extinguishing Media:** Use the appropriate extinguishing media for the surrounding fire. Dry chemical, foam, water, fog or spray.

**Fire Fighting Instructions:** None. Although, gypsum panels pose no fire related hazards, firefighters should wear full protective clothing including self contained breathing apparatus. Water can be used to cool and protect exposed material.

## 6. Accidental Release Measures

- Not applicable, as product is an article composite.
- Collect panels from spillage and if not damaged or contaminated by foreign material, panels may be reclaimed.

General recommendations:

- Use exposure control and appropriate personal protective equipment (See Section 8).
- Pick-up larger pieces to avoid a tripping hazard. Sweep or vacuum remaining material into a waste container for disposal. Use a light water spray to minimize dust generation.
- Dispose of in accordance with applicable federal, state and local regulations.

## 7. Handling And Storage

**Handling And Storage Precautions**

- Store material in a cool, dry, ventilated area. Do not use when temperatures exceed 125$^{o}$F.
- Stack or store all panels flat to minimize damage and warping.
- Do not stack panels too high when storing to minimize the risk of falling.
- Panels are heavy and can fall over, causing serious injury or death. Do not stack panels too high.

- Utilize proper lifting techniques when moving product and employ mechanical/ergonomic assistance when possible (i.e. move with forklifts, hold in place with lifts) to minimize the risk of back injury.
- Scoring and snapping is the method to be used when cutting the panels in order to reduce dust generation.
- Use exposure control and appropriate personal protect equipment (See Section 8).

## 8. Exposure Control/Personal Protection

**Engineering Controls:** The score and snap method of cutting is recommended. Sawing, drilling or machining will produce dust. Use with adequate general and local exhaust ventilation to maintain a dust level below the PEL/TLV.
**Eye/Face Protection:** Safety glasses with side shields or goggles.
**Skin Protection:** Wear protective gloves. Protective clothing to prevent skin contact is recommended.
**Respiratory Protection:** General room ventilation is normally adequate. In case of inadequate ventilation, use a NIOSH-approved respirator for particulates (eg. N95). OSHA's 29 CFR 1910.134 (Respiratory Protection Standard) must be followed whenever work conditions require respirator use.
**Ingredient(s) - Exposure Limits:**

| Component | OSHA PEL ($mg/m^3$) | ACGIH TLV ($mg/m^3$) |
|---|---|---|
| Calcium Sulfate Dihydrate (Gypsum) | 15 (T)<br>5 (R) | 10 (T) |
| Cellulose (Paper Fiber) | 15 (T)<br>5 (R) | 10 (T) |
| Starch | 15 (T)<br>5 (R) | 10 (T) |
| Vermiculite | 15 (T)<br>5 (R) | 5 |
| Paraffin Wax | 2 (fume) | 2 (fume) |
| Crystalline Silica (Quartz) | 30 (T)<br>10 (R) | 0.025 (R) |
| Fiberglass scrim, synthetic, vitreous, continuous | 15 (T)<br>5 (R) | 1 f/cc (R) |
| Barium metaborate monohydrate | | TWA: 0.5 |

T - Total Dust
R – Respirable Dust

## 9. Physical And Chemical Properties

**Appearance:** Paper covered panel with white core
**Odor:** Low odor
**Physical State:** Solid
**Density:** approximately 50 $lbs/ft^3$
**Evaporation:** Not applicable
**Flash Point:** None
**Auto Ignition Temperature:** Not combustible
**Decomposition Temp:** 1450°C
**Solubility in Water (% by wt.):** approximately 0.2 gs/100cc

## 10. Stability And Reactivity

**Stability:** Stable.
**Conditions to Avoid:** High relative humidity will cause panels to deteriorate.
**Hazardous Polymerization:** Will not occur.
**Incompatible Materials:** Reaction with strong acids will generate carbon dioxide.
**Hazardous Decomposition Products:** Above 1450°C, gypsum will decompose to calcium oxide with releases of sulfur dioxide and various oxides of carbon.

## 11. Toxicological Information

**In general, no adverse health effects are expected if product is handled as recommended with suitable precautions for designated uses.**

**EFFECTS OF ACUTE EXPOSURE**

**Component Analysis**

| Ingredient | $LD_{50}$ (oral) | $LC_{50}$ (inhalation) |
|---|---|---|
| Calcium sulfate dihydrate | 2,000 mg/kg (female rat) | Not available |
| Crystalline Silica (Quartz) | Not available | Not available |
| Barium metaborate monohydrate | 850 mg/kg (male rat) | ≥ 2.54 mg/l (4 hrs, rat) |

**EFFECTS OF CHRONIC EXPOSURE**

**Chronic Effects:** Hazardous by OSHA/WHMIS criteria. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. Chronic ingestion of some barium compounds may have an adverse effect on the cardiovascular system.

**Carcinogenicity:** Hazardous by OSHA/WHMIS criteria

**Mutagenicity; Reproductive Effects: Teratogenicity; Embroyotoxicity; Respiratory Sensitization; SkinSensitization:** Not hazardous by OSHA/WHMIS Criteria, Boron compounds have been associated with reproductive effects in animal studies.

**Toxicologically Synergistic Materials:** Not Available.

**Target Organs:** Lungs

**Ingredient**

Crystalline silica (quartz)

**ACGIH –** A2 – Suspected human carcinogen
**IARC –** 1 – The agent is carcinogenic to humans
**NTP –** 1 – Known to be carcinogens

**Toxicologically Synergistic Materials:** Not Available.

## 12. Ecological Information

**Aquatic Toxicity:** Unknown. Not believed to be toxic.
**Other Environmental Information:** Unknown.

## 13. Disposal Considerations

Dispose of according to federal, state and local government regulations. Recycle if possible.
**RCRA Information -** Product is not a RCRA Hazardous Waste.

## 14. Transport Information

**Proper Shipping Name** - Not regulated.

## 15. Regulatory Information

**SARA Title III:** Not listed under Sections 302 and 304. This product contains substances classified as a delayed (chronic) health hazard under Sections 311 – 312. Barium metaborate monohydrate is included in the Toxic Chemical List and subject to reporting under section 313.

**OSHA:** Dust and potential respirable crystalline silica generated during product use may be hazardous.

**Ingredient(s) – Canadian Regulatory Information:** Crystalline silica: WHMIS Classification D2A.
All components of this product are included in the Canadian Domestic Substances List (DSL).

**Toxic Substances Control ACT (TSCA):** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**California Safe Drinking Water and Toxic Enforcement Act (Prop. 65):** This product may contain substance(s) which are known to the State of California to cause cancer or reproductive harm. Respirable crystalline silica is known to the state of California to cause cancer.

A small amount of barium metaborate monohydrate (Busan 11-M1) is added for mold resistance. This material is registered under the EPA as pesticide, Registration No: 1448-17-AA. CA Pesticide Product ID No: 6030.

## 16. Other Information

**NFPA Rating**
Health: 1
Fire: 0
Reactivity: 0
**HMIS Rating**
Health: 1
Fire: 0
Reactivity: 0
Personal Protection: E
**WHMIS Classification(s)**
Class D2A – Carcinogenicity
Class D2A – Chronic Toxic Effects

**Reference Documentation**
The following were the primary references used in the creation of this MSDS:

- Canadian Center for Occupational Health & Safety (CCINFO) MSDS Database
- Guide to Occupational Exposure Values, ACGIH 2002-2003
- U.S. National Library of Medicine Hazardous Substance Databank (HSDB)
- Registry Toxic Effects of Chemical Substances (RTECS)

## Disclaimer