

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BOARD FOR BRICK

Product Use: Facade Applications

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2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: These products are sold as "manufactured articles" and do not represent a hazard under normal use – see Section 16, Regulatory Information. Hazards listed are associated with the nature of the raw materials used in the manufacture of this product and not the actual manufactured article. Exposure to dust from cutting, grinding, or otherwise altering these products may irritate the skin, eyes, nose, throat, or upper respiratory tract.

POTENTIAL HEALTH EFFECTS:

Eye Contact: Eye contact with airborne dust may cause immediate or delayed irritation or inflammation. Eye exposure may require immediate first aid treatment and medical attention to prevent damage to the eye. Inhalation: Breathing dust generated from machining this product or handling may cause nose, throat or lung irritation including coughing or choking depending on the degree of exposure. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e. Silicosis) and/or lung cancer. Crystalline silica is classified by IARC and NTP as a known human Carcinogen.

Skin Contact: Skin contact with dust or glass fibers may cause irritation, dry skin, or abrasion.

Ingestion: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL	WT. %	CAS #
Calcium Salts (as listed) – Portland cement	45-50%	
3CaO.SiO ₂ :		12168-85-3
2CaO.SiO ₂ :		10034-77-2
3CaO.AIO:		12042-78-3
4CaO.Al ₂ O ₃ :		12068-35-8
CaSO ₄ .2H ₂ O:		13397-24-5
Sand Crystalline Silica – (represents total silica, not respirable portion)	40-45%	14808-60-7
AR Glass Textile	5%	65997-17-3

4. FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water for at least 15 minutes, including under eye lids, to remove all particles. Seek medical attention for abrasions.

Inhalation: Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Skin Contact: Wash with mild soap and water. Consult physician if irritation persists.

Ingestion: Seek medical attention.

5. FIRE FIGHTING MEASURES

General Fire Hazard: None known.

Extinguishing Media: Water or appropriate extinguishing media for surrounding fire.

Unusual Fire /Explosion Hazards: None known.

Hazardous Combustion Materials: None known.

Flashpoint and Method: Non-combustible.

Fire Fighting Procedures: Wear appropriate fire personnel protective equipment.

6. ACCIDENTAL RELEASE MEASURES

General: These molded and solid articles do not represent a spill hazard.

Waste Disposal: Follow the applicable regulations for solid waste materials disposal. This material is inert and not classified as hazardous.

7. HANDLING AND STORAGE

Handling: Molded cement articles can be very heavy and awkward to lift and install posing risks such as sprains and strains to the back, arms, and legs. Use proper lifting and handling techniques. If cutting and grinding or similar operations are required, minimize dust generation and accumulation. Avoid breathing dust. Wear appropriate protective equipment. Use good safety and industrial hygiene practices.

Storage: Protect products from weather and store in a cool, dry, ventilated area away from moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values: ACGIH TLV-TWA 10 total dust/m³
OSHA-PEL (8 – hour TWA) 15 mg total dust/m³
OSHA-PEL (8 – hour TWA) 5 mg respirable dust/m³

Engineering Controls: Personal Protection equipment (PPE).

General: Select PPE according to operation and environmental working conditions

Respiratory Protection: No respiratory protection is needed under normal conditions. Use respirator when exposed to dust levels above limits.

Eye/Face Protection: Wear safety glasses (goggles).

Skin Protection: In case of prolonged or repeated contact, wear gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid articles.
Appearance: Range of colors and textures.
Odor: Very low to no odor.
Melting Point: Not applicable.
Freezing Point: Not applicable.
Boiling Point: Not applicable.
Flash Point: Not applicable.
Specific Gravity: >1950 kg/m³.
Particle Size: Varies.
Solubility in Water: Not applicable.
Evaporation Rate: Not applicable.
Vapor Density: Not applicable.
Vapor Pressure: Not applicable.

10. STABILITY AND REACTIVITY

Stability: Stable.
Conditions to Avoid: None known.
Incompatibility: None known.
Hazardous Polymerization: None known.
Hazardous Decomposition: None known.

11. TOXICOLOGICAL INFORMATION

Acute Effects: None known.
Chronic Effects / Carcinogenicity: Crystalline Silica is classified by IARC and NTP as a known human carcinogen and relates to the respirable portion of the raw material itself. Exposures to respirable crystalline silica are not expected under ordinary handling and use of this product(s). Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e. Silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration. Titanium Dioxide is considered possibly carcinogenic (group 2B) by IARC. Iron Oxides are not considered a carcinogen by IARC, NTP and others but prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. The exposure limits are set to protect against siderosis.

12. ECOLOGICAL INFORMATION

Environmental Toxicity: This product has no known adverse effect on ecology.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: This inert material, is not classified as hazardous, waste material and can be returned to earth by burying to the approved landfills in accordance with surrounding regulations.

14. TRANSPORTATION INFORMATION

This product is not classified as a hazardous material in related regulations.

15. REGULATORY INFORMATION

Many countries have legislation that requires chemical producers or suppliers to prepare MSDSs. In Canada, this legislation is generally called WHMIS (Workplace Hazardous Materials Information System). In the US, the OSHA Hazard Communication Rule (29 CFR1900.1200) prescribes what information is to be provided by MSDS. This MSDS has been prepared in the 16-section format consistent with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Other agencies utilizing this format include the American National Standards Institute (ANSI)- American National Standard for Hazardous Industrial Chemicals, the International Organization for Standardization (ISO), the European Union (EU), and the International Labor Organization (ILO).

With respect to the products that are the subject of this MSDS, the WHMIS requirements of the Hazardous Products Act and Controlled Products Regulations do NOT apply to products classified as "manufactured articles". Section 10 of the Hazardous Products Act indicates by definition that a "manufactured article" means any article that is formed to a specific shape or design during manufacture, the intended use of which when in that form is dependent in whole or in part on its shape or design, and that, under normal conditions of use, will not release or otherwise cause a person to be exposed to a controlled product. In this definition, "exposure" means in a sufficient quantity to pose a hazard. Exposure is limited to the toxicological hazards and means potential for physical contact that could result in damage or potential for entry into the body by a route that could cause harm. "Normal condition of use" does not include an installation process. The subject products fall within the scope of this definition and as "manufactured articles" do not require a MSDS. The information provided in this MSDS relates to the nature of the raw materials used to make the manufactured articles.

16. OTHER INFORMATION

Information for Handling and Identification of Chemical Hazards

HMIS Ratings Health	0
Flammability	0
Physical Hazard	0
Personal Protection	E

This information is furnished in good faith as accurate to the best knowledge of KOPYES MATERIAL TECH. No warranty, either expressed or implied whether of merchantability of fitness of any nature on otherwise with respect to the product or to the data here in is made hereunder. The data in this MSDS relates to the herein designed material only and does not relate also to use in combination with any other material or in any process.