

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : GoBoard® Sealant

Manufacturer or supplier's details

Company : Johns Manville
Address : P.O. Box 5108
Denver, CO USA 80127
Telephone : +1-303-978-2000
Emergency telephone : 24-Hour Number: +1-800-424-9300 (CHEMTREC)
number

Company : Johns Manville Canada Inc.
Address : 5301 42 Avenue
Innisfail, AB Canada T4G 1A2
Telephone : +1-303-978-2000
Emergency telephone : 24-Hour Number: +1-800-424-9300 (CHEMTREC)
number

Recommended use of the chemical and restrictions on use

Recommended use : Adhesives and/or sealants
Restrictions on use : For professional users only.
Prepared by : productsafety@jm.com

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

Skin irritation : Category 2
Eye irritation : Category 2A
Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Disposal:

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
limestone	1317-65-3	>= 30 - < 60
calcium carbonate	471-34-1	>= 10 - < 30
dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	>= 0.1 - < 1

Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
 Call a physician if irritation develops or persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
 If easy to do, remove contact lens, if worn.
 Protect unharmed eye.
 If eye irritation persists, consult a specialist.
- If swallowed : DO NOT induce vomiting unless directed to do so by a physician or poison control center.
 Gently wipe or rinse the inside of the mouth with water.
 Never give anything by mouth to an unconscious person.
 Get medical attention immediately.
 If breathing is irregular or stopped, administer artificial respiration.

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

Most important symptoms and effects, both acute and delayed : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

Hazardous combustion products : carbon oxides
Silicon oxides

Further information : Standard procedure for chemical fires.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

Conditions for safe storage : used.
 : Keep container tightly closed in a dry and well-ventilated place.
 : Observe label precautions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
limestone	1317-65-3	TWA (total dust)	15 mg/m ³	OSHA
		TWA (respirable fraction)	5 mg/m ³	OSHA
		TWA (respirable)	5 mg/m ³ (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m ³ (Calcium carbonate)	NIOSH REL
dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	TWA	0.1 mg/m ³ (Tin)	OSHA
		TWA	0.1 mg/m ³ (Tin)	ACGIH
		STEL	0.2 mg/m ³ (Tin)	ACGIH
		TWA	0.1 mg/m ³ (Tin)	OSHA
		TWA	0.1 mg/m ³ (Tin)	NIOSH REL
methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m ³	NIOSH REL
		ST	250 ppm 325 mg/m ³	NIOSH REL
		TWA	200 ppm 260 mg/m ³	OSHA

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

Hand protection	
Material	: Protective gloves
Remarks	: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Eye protection	: Wear safety glasses with side shields or goggles. Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: Wear protective clothing, such as long-sleeved shirts and pants. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Remove and wash contaminated clothing before re-use.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. Written instructions for handling must be available at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: paste
Colour	: white
Odour	: odorless
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: > 93.3 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: 1.3 - 1.7
Relative density	: 1.648
Density	: 1.648 g/cm ³
Solubility(ies)	
Water solubility	: slightly soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

Viscosity, dynamic : No data available
 Viscosity, kinematic : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable at normal ambient temperature and pressure.
 Chemical stability : Stable under normal conditions.
 Possibility of hazardous reactions : Methanol is given off during processing and by reaction with water.
 No decomposition if stored and applied as directed.

Conditions to avoid : Exposure to moisture
 Incompatible materials : Water
 Strong acids and oxidizing agents

Hazardous decomposition products

Contact with water or humid air : Methanol

SECTION 11. TOXICOLOGICAL INFORMATION
Acute toxicity
Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
 Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg
 Method: Calculation method

Components:
limestone:

Acute oral toxicity : LD0 (Rat, female): > 2,000 mg/kg
 Method: OECD Test Guideline 420

Acute inhalation toxicity : LC50 (Rat, male and female): > 3 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403
 Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
 Method: OECD Test Guideline 402

calcium carbonate:

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
 Method: OECD Test Guideline 420
 GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 3 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

dibutylbis(pentane-2,4-dionato-O,O')tin:

Acute oral toxicity : LD50 (Rat, female): 1,864 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: No data available

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation**Product:**

Result: irritating

Skin corrosion/irritation**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Species: Rat
Exposure time: 24 h
Method: OECD Test Guideline 402
Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Serious eye damage/eye irritation**Product:**

Result: irritating

Serious eye damage/eye irritation**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Species: Rabbit
Result: Irreversible effects on the eye
Method: in vitro eye irritation test
Remarks: rabbit eye

Respiratory or skin sensitisation**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Test Type: Maximisation Test

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

Species: Guinea pig
Assessment: May cause sensitisation by skin contact.
Method: OECD Test Guideline 406

Germ cell mutagenicity**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Germ cell mutagenicity-
Assessment : Positive result(s) from in vivo somatic cell mutagenicity tests supported by positive results from in vitro mutagenicity assays or chemical structure activity relationship to known germ cell mutagens

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Reproductive toxicity -
Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

STOT - single exposure**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Target Organs: thymus gland
Assessment: Causes damage to organs.

STOT - repeated exposure**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Exposure routes: Ingestion
Target Organs: thymus gland
Assessment: Causes damage to organs through prolonged or repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

Ecotoxicity
Components:
dibutylbis(pentane-2,4-dionato-O,O')tin:

- Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): > 2 mg/l
 Exposure time: 96 h
 Test Type: semi-static test
 Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.0036 mg/l
 Exposure time: 48 h
 Test Type: static test
 Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 2 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
- M-Factor (Acute aquatic toxicity) : 100
- Toxicity to microorganisms : EC50 (activated sludge): 190 mg/l
 Exposure time: 3 h
 Test Type: Respiration inhibition
 Method: OECD Test Guideline 209

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects
Product:

- Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82
 Protection of Stratospheric Ozone - CAA Section 602 Class I
 Substances
 Remarks: This product neither contains, nor was
 manufactured with a Class I or Class II ODS as defined by the
 U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +
 B).

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods

- Waste from residues : Dispose of contents/container to an approved facility in
 accordance with local, regional, national and international
 regulations.
- Contaminated packaging : Dispose of as unused product.

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

SECTION 14. TRANSPORT INFORMATION**International transport regulations**

Land transport

USDOT: Not classified as a dangerous good under transport regulations

TDG: Not classified as a dangerous good under transport regulations

Sea transport

IMDG: Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

SECTION 15. REGULATORY INFORMATION**TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals : No substances are subject to a Significant New Use Rule.

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D) : No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Respiratory or skin sensitisation
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

GoBoard® Sealant

Version 2.0

Revision Date 11/11/2021

Print Date 11/11/2021

California Prop. 65

⚠️ WARNING: This product can expose you to chemicals including methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

- TSCA : All substances listed as active on the TSCA inventory
- DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.
- : limestone
- : 1,2-ethanediamine, N1,N2-bis[3-(trimethoxysilyl)propyl]-

SECTION 16. OTHER INFORMATION**Further information**

Revision Date : 11/11/2021

The information provided in this 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.