

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

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 8:00AM-5:00PM M-F
Emergency telephone number : 1-800-424-9300 (Chemtrec, in English)

Prepared by : productsafety@jm.com

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2A

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

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

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ 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/

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous components

Chemical name	CAS-No.	Concentration (%)
limestone	1317-65-3	>= 40 - <= 50
calcium carbonate	471-34-1	>= 10 - <= 20
dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	>= 0 - < 1
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	>= 0 - < 1

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Consult a physician.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.
 If breathing has stopped, apply artificial respiration.
 If symptoms persist, call a physician.
- 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.
 If symptoms persist, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Foam
Water spray
- Unsuitable extinguishing media : None known.
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon 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 : Evacuate personnel to safe areas.
Use personal protective equipment.
Ensure adequate ventilation.
- 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

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

be employed in any process in which this mixture is being used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
 Electrical installations / working materials must comply with the technological safety standards.

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 (Total dust)	15 mg/m ³	OSHA
		TWA (respirable dust fraction)	5 mg/m ³	OSHA
		TWA (respirable fraction)	5 mg/m ³	OSHA

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

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 : Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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.

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: paste
Colour	: white
Odour	: odourless
Odour Threshold	: No data available
pH	: No data available
Melting point/range	: not determined
Boiling point/boiling range	: not determined
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	: ca. 1.5
Relative density	: No data available
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
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
------------	--

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

Chemical stability	:	No decomposition if stored and applied as directed. Stable under normal conditions.
Possibility of hazardous reactions	:	None known. No decomposition if stored and applied as directed.
Conditions to avoid	:	No data available
Incompatible materials	:	Strong acids Strong oxidizing agents
Hazardous decomposition products	:	Ammonia Carbon oxides Hydrocarbons Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate : 3,222 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate : 8,480 mg/kg Method: Calculation method

Acute toxicity

Components:

limestone:

Acute oral toxicity	:	LD50 (Rat): > 6,450 mg/kg
---------------------	---	---------------------------

Acute toxicity

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	:	Remarks: No data available
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402

Acute toxicity

bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:

Acute oral toxicity	:	LD50 (Rat, male and female): 3,700 mg/kg Method: OECD Test Guideline 423
Acute inhalation toxicity	:	LC50 (Rat): 7.7 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 (Rat, male and female): > 3,170 mg/kg Method: OECD Test Guideline 402

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

Skin corrosion/irritation**Product:**

Remarks: Causes skin irritation.

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

Species: Rat

Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Skin corrosion/irritation**bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:**

Species: Rabbit

Exposure time: 24 h

Result: No skin irritation

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

Remarks: Causes serious eye irritation.

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

Species: Rabbit

Remarks: Severe eye irritation

Serious eye damage/eye irritation**bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:**

Species: Rabbit

Result: Irritating to eyes.

Exposure time: 24 h

Method: OECD Test Guideline 405

Respiratory or skin sensitisation**Product:**

Remarks: May cause sensitisation of susceptible persons by skin contact.

Respiratory or skin sensitisation**Components:****bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:**

Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

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.
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.

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

Species: Rat, male and female
NOAEL: 0.3 - 0.4 mg/kg
Application Route: Oral

bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:

Species: Rat, male and female
NOAEL: < 29 mg/kg
LOAEL: 29 mg/kg
Application Route: Oral

Experience with human exposure**Components:****dibutylbis(pentane-2,4-dionato-O,O')tin:**

Ingestion:	Target Organs:	Stomach
	Symptoms:	Irregularities
	Remarks:	Based on Human Evidence

Further information**Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential**Components:****bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:**

Partition coefficient: n- : log Pow: 0.35 (20 °C)

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

octanol/water

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).

Additional ecological : No data available
information

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Disposal of residual product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

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

These products are not classified as dangerous goods according to international transport regulations.

SECTION 15. REGULATORY INFORMATION**TSCA list**

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

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

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

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

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 : Chronic Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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 SOCOMI Intermediate or Final VOC's (40 CFR 60.489).

Massachusetts Right To Know

limestone 1317-65-3

Pennsylvania Right To Know

limestone 1317-65-3
 N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3
 N,N'-bis[3-(trimethoxysilyl)propyl]ethylenediamine 68845-16-9
 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol 25973-55-1
 Silyl terminated polyether 151865-59-7
 calcium carbonate 471-34-1

New Jersey Right To Know

limestone 1317-65-3
 N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3
 N,N'-bis[3-(trimethoxysilyl)propyl]ethylenediamine 68845-16-9
 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol 25973-55-1
 Silyl terminated polyether 151865-59-7

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

TSCA : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

GoBoard Sealant

Version 1.0

Revision Date 12/27/2016

Print Date 01/12/2017

SECTION 16. OTHER INFORMATION**Further information**

Revision Date : 12/27/2016

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.