

Safety Data Sheet

Material Name: BarriBond

Product #: 325918

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

BarriBond

Synonyms

Sealant / Adhesive / Membrane / Mastic

Chemical Family

Mixture

Product Use

Indoor, outdoor moisture-cured flashing material for doors and windows

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle Coatings and Waterproofing, Inc.
900 Hensley Lane
Wylie, TX 75098
www.carlisleccw.com

Phone Numbers:

Medical Emergency
CHEMTREC (USA): 800-424-9300

MSDS Assistance; 972-442-6545
Technical Assistance: 888-229-2199
Customer Service: 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Reproductive Toxicity – Category 2

GHS Label Elements

Symbol(s)



Signal Word

Warning

Hazard Statement(s)

Suspected of damaging the unborn Child

Precautionary Statement(s)

Prevention

Wear protective gloves/protective clothing / eye protection

Reportable ingredients for labeling

Bis-trimethoxysilylpropylcarbamato-polypropyleneglycol
Polypropyleneglycol
Calcium carbonate

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Hydrophobic Silica
Dioctyltin dilaurate
Titanium Dioxide

Other Hazards

Product hydrolyses under formation of methanol (CAS no. 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol causes damage to organs. Methanol is highly flammable.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characteristics

Silane-terminated polyether + filler +auxiliary.

CAS	Component Name	Percent
2768-02-07	Trimethoxy vinylsilane	<2.0
13822-56-5	3-(trimethoxysilyl) propylamine	<2.0
14808-60-07	Quartz	<0.3
13463-67-7	Titanium Dioxide	<1.0
3648-18-8	Dioctyltin dilaurate	>0.1 - <2.0

Type: HYD - by-product upon hydrolysis, INHA – ingredient, NEBE – by-product, MONO – residual monomer, VERU – impurity, VUL – by-product upon vulcanization. ***NOTE: C1 – IARC carcinogen, C2 – NTP carcinogen, C3 – OSHA carcinogen, NH – non-hazardous, R – reproductive toxin.

Substances listed in the Subsections “HAPS” and “California Proposition 65 Carcinogens / Reproductive Toxins” that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricable bound in the product.

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Get medical attention immediately if irritation or symptoms occur. Before seeking medical remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

Inhalation

If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

Skin

If contact with skin, immediately flush skin with plenty of water for at least 15 min. Wash with soap and water.

Eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

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Ingestion

For ingestion, if conscious, give no more than two glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. Get medical attention immediately.

Note to Physicians

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

Section 5 - FIRE FIGHTING MEASURES

Flammable Properties:

Flash point	> 200°C (>392°F)
Boiling point/boiling range	not applicable
Lower explosion limit (LEL)	not determined
Ignition temperature	not determined

Method

(ISO 2692)

Fire and Explosion Hazards:

Material support combustion. Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point. The material is lighter than water, burning spilled material will float on top of any water released from hose or sprinkler systems spreading the fire beyond the initial fire response area. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur.

Extinguishing Media

Suitable Extinguishing Media

Water mist, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media

Sharp water jet.

Special Hazards Arising from the Chemical

Hazardous decomposition products: carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and incompletely burnt hydrocarbons

Advice for firefighters

Cool endangered containers with water. Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapors.

HAZWOPER PPE Level: D

Methods and Materials for Containment and Cleaning Up

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in

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prescribed marked containers. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free number (800) 424-8802.

Environmental Precautions

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Exhaust vapors.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.

Precautions Against Fire and Explosion

Product can separate methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.

Conditions for Safe Storage, Including any Incompatibilities

Make sure there is no possibility of entering the ground.

Incompatible Materials

Not applicable.

Further Information For Storage

Protect against moisture. Store in original container only. Keep container tightly closed and store in a cool, well ventilated place.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Methanol	67-56-1	
ACGIH:	200 ppm TWA	250 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route	
OSHA:	200 ppm PEL; 260 mg/m3 PEL	

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Safety glasses with side shields. Additional eye and face protection, splash-proof goggles, hood, full-faced respirator, or face shield is recommended if splashing occur.

Respiratory Protection

Respiratory protection is not normally required. A NIOSH approved air purifying respirator equipped with universal multi-containment, multi –gas/vapor cartridges and at least P-99 solid/aerosol particulate filters is recommended if overexposure to dusts, mists, or vapors could occur.

Glove Recommendations

Any liquid-tight rubber or vinyl rubber protective gloves

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Other Protective Clothing or Equipment

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

General Hygiene And Protection Measures

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Do not eat, drink or smoke when handling. Follow standard industrial hygiene practices when using this material. Wash thoroughly after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	blue paste	Physical State	paste
Odor	Characteristic	Color	blue
Odor Threshold	Not available	pH	Not available
Melting Point	Not available	Boiling Point	Not available
Freezing point	Not available	Evaporation Rate	Not available
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	Not available	Flash Point	>200°C (>392°F)
Lower Explosive Limit	Not available	Decomposition	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	Not available
Water Solubility	Not applicable	Partition coefficient: n-octanol/water	Not available
Viscosity	600,000 cps. at 23°C (73°F)	Solubility (Other)	Not available
Density	1.5 g/cm ³	VOC	26 grams per liter

Other Information

Explosion limits for released methanol: 5.5 - 44% (V).

Section 10 - STABILITY AND REACTIVITY

Reactivity

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to Avoid

Moisture

Incompatible Materials

Reacts with: water. Reaction causes the formation of: methanol.

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Hazardous decomposition products

Under effect of humidity, water & protic agents: methanol.

Further Information

Hazardous polymerization cannot occur.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Skin Contact

Based on the available data a clinically relevant skin irritation hazard is not expected. Temporary symptoms of an irritation cannot be excluded if the adhesive product is removed mechanically after contact.

Eye Contact

Based on the available data a clinically relevant eye irritation hazard is not expected. Temporary symptoms of an irritation cannot be excluded if the adhesive product is removed mechanically after contact.

Germ Cell Mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

Specific Target Organ Toxicity - Repeated Exposure

No data available.

Aspiration hazard

No data available.

Additional Data

Quartz has been classified by IARC as carcinogen group 1 ("carcinogen to humans") and by NTP as known to be human carcinogen. No component of this product present.

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual orders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Assessment based on ecotoxicological tests with similar products under consideration of the physical-chemical properties: For this product no effects on aquatic organisms, relevant or classification, are expected. According to current knowledge adverse effects on water purification plants are not expected.

Persistence and Degradability

Silicone content: Biologically not degradable. Separation by sedimentation.

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Data Related To Ingredients

Product Of Hydrolysis (Methanol)

The product of hydrolysis (methanol) is readily biodegradable.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No additional information available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

UN/NA #: Not regulated

IATA Information:

UN#: Not regulated

IMDG Information:

UN#: Not regulated

TDG Information:

UN#: Not regulated

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status And TSCA Information

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification

This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals

This material does not contain any SARA extremely hazardous substances.

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SARA 311/312 Hazard Class

This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals

This material does not contain any SARA 313 chemicals above the minimum levels.

HAPS (Hazardous Air Pollutants):

CAS No.	Chemical	Upper Limit Wt. %
67-56-1	Methanol	0.1477
68-12-2	N,N-Dimethylformamide	0.0004

U.S. State Regulations

California Proposition 65 Carcinogens

14808-60-7 Quartz

California Proposition 65 Reproductive Toxins

67-56-1 Methanol

Massachusetts Substance List

1317-65-3 Calcium carbonate, 14808-60-7 Quartz

New Jersey Right-to-Know Hazardous Substance List

14808-60-7 Quartz

Pennsylvania Right-to-Know Hazardous Substance List

1317-65-3 Calcium Carbonate

14808-60-7 Quartz

Canadian Regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

WHMIS Hazard Classes: None.

DSL Status: This material or one or more of its components is not listed on the Canadian Domestic Substances List.

Canadian Ingredient Disclosure List: 14808-60-07 Quartz

Details of International Registration Status

South Korea (Republic of Korea)	ECL (Existing Chemicals list): This product is listed in, or complies with, the substance inventory.
Australia	AICS (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
Canada	DSL (Domestic Substance List): This product is listed in, or complies with, the substance inventory.

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Philippines

PICCS (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substances inventory.

United States of America (USA)

TSCA (Toxic Substances Control Act Chemical Substances Inventory): This product is listed in, or complies with, the substances inventory.

European Economic Area (EEA)

REACH (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported in the EEA by customers or the downstream users must be fulfilled by the latter.

Section 16 - OTHER INFORMATION

Summary of Changes

Revision Date: June 1, 2018

Revision Note: General Update

Key / Legend

ACGTH – American Conference of Governmental Industrial Hygienists; DOT – Department of Transportation; hPa – Hectopascals; mPa*s – Milli Pascal-Seconds; OSHA – Occupational Safety and Health Administration; PEL – Permissible Exposure Limit; ppm – Parts per Million; SARA – Superfund Amendments and Reauthorization Act; STEL – Short Term Exposure Limit; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; WHMIS – Canadian Workplace Hazardous Materials Identification System

Other Information

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.