
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

BarriBond XL

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 1B

GHS Label Elements

Symbol(s)



Signal Word

Danger

Skin sensitization: Category 1

Serious eye damage/eye irritation: Category 2

Hazard Statement(s)

Causes Serious eye irritation; May cause an allergic skin reaction; May damage fertility or the unborn child.

Appearance: Varies

Physical State: Paste Liquid

Odor: Mint-like

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Precautionary Statement(s) - Prevention

Obtain special instructions before use; Do not handle until all safety precautions have been read and understood; Use personal protective equipment as required; Avoid breathing dust/fume/mist/vapors/spray; Contaminated work clothing should not be allowed out of the workplace; Wear protective gloves; Wash face, hands and any exposed skin thoroughly after handling; Wear eye/face protection.

Precautionary Statement(s) - Response

IF exposed or concerned: Get medical advice/attention; Specific treatment (see supplemental first aid instructions on this label).

Skin

IF ON SKIN: Wash with plenty of soap and water; If skin irritation or rash occurs: Get medical advice/attention; Take off contaminated clothing and wash before reuse.

Eyes

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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician; Do NOT induce vomiting.

Precautionary Statement(s) - Storage

Store locked up

Precautionary Statement(s) – Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

62.5% of the mixture consists of ingredient(s) of unknown toxicity

Other information

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Harmful to aquatic life with long lasting effects.

Interactions with Other Chemicals

No information available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characteristics

Silane-terminated polyether + filler +auxiliary.

CAS	Component Name	*Wt Percent
1317-65-3	Limestone	10 – 30
2768-02-7	Silane, ethenyltrimethoxy-	1 – 5
471-34-1	Calcium Carbonate	15 – 40

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1333-86-4	Carbon Black	0 – 5
22673-19-4	Tin Catalyst	0.1 – 1
13463-67-7	Titanium Dioxide	0 – 5

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

Section 4 - FIRST AID MEASURES

General Advice

Show this safety data sheet to the doctor in attendance.

Eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Skin

Wash with soap and water. May cause an allergic skin reaction. In case of skin irritation or allergic reaction see physician.

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Most important symptoms and effects, both acute and delayed

Burning sensation; Itching; Rashes; Hives.

Note to Physicians

May cause sensitization of susceptible persons. Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Hazardous Combustion Products

Carbon oxides

Explosion Data

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

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Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Refer to protective measures listed in Sections 7 and 8.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for Safe Storage, Including any Incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Incompatible Materials

None known based on information supplied.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Calcium Carbonate	471-34-1
OSHA:	15 mg/m ³ TWA; 5 mg/m ³ TWA; 15 mg/m ³ TWA (vacated); 5 mg/m ³ TWA (vacated)
NIOSH:	5 mg/m ³ respirable dust TWA; 10 mg/m ³ total dust TWA

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Limestone	1317-65-3
OSHA:	15 mg/m ³ TWA; 5 mg/m ³ TWA; 15 mg/m ³ TWA (vacated); 5 mg/m ³ TWA (vacated)
NIOSH:	5 mg/m ³ respirable dust TWA; 10 mg/m ³ total dust TWA
Titanium Dioxide	13463-67-7
ACGIH:	10 mg/m ³ TWA
OSHA:	15 mg/m ³ total dust TWA; 10 mg/m ³ total dust TWA (vacated)
NIOSH:	5000 mg/m ³ IDLH
Carbon Black	1333-86-4
ACGIH:	3 mg/m ³ inhalable fraction TWA
OSHA:	3.5 mg/m ³ TWA; 3.5 mg/m ³ TWA (vacated)
NIOSH:	1750 mg/m ³ IDLH; 3.5 mg/m ³ TWA; 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH TWA
Tin Catalyst	22673-19-4
ACGIH:	0.2 mg/m ³ Sn STEL; 0.1 mg/m ³ SN TWA; S*
OSHA:	0.1 mg/m ³ Sn TWA; 0.1 mg/m ³ Sn TWA (vacated); S* (vacated)
NIOSH:	25 mg/m ³ Sn IDLH; 0.1 mg/m ³ except Cyhexatin Sn TWA

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F. 2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters.

Appropriate 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

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene And Protection Measures

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue	Physical State	Paste, Liquid
Odor	Mint-like	Color	Varies
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	Not available
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 available	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	Not available	VOC	<28 grams/liter, less water and exempt solvents

Section 10 - STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Moisture.

Incompatible Materials

None known based on information supplied.

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Hazardous Decomposition Products

Carbon oxides.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye Contact

Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact

Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Calcium Carbonate (471-34-1)

Oral LD50 Rat = 6450 mg/kg

Titanium Dioxide (13463-67-7)

Oral LD50 Rat >10000 mg/kg

Carbon Black (1333-86-4)

Oral LD50 Rat >15400 mg/kg

Dermal LD50 Rabbit >3 g/kg

Information on toxicological effects

Symptoms

May cause redness and tearing of the eyes; Itching, Rashes, Hives.

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

Sensitization

May cause sensitization by skin contact. May cause sensitization of susceptible persons.

Mutagenic Effects

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not a respirable form.

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Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide 13463-67-7	-	Group 2B	-	X
Carbon Black 1333-86-4	A3	Group 2B	-	X

Reproductive Toxicity

Contains a known or suspected reproductive toxin.

STOT – single exposure

No information available .

STOT – repeated exposure

No information available.

Chronic Toxicity

No known effect based on information supplied. Contains a known or suspected reproductive toxin. Possible risk of irreversible effects.

Target Organ Effects

Eyes. Skin. Respiratory system. Gastrointestinal tract (GI). Reproductive System. Lungs. Lymphatic System.

Aspiration Hazard

No information available.

Numerical measures of toxicity

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

ATEmix (oral) = 7,022.00 mg/kg

ATEmix (inhalation-dust/mist) = 35.20 mg/L

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Component Analysis - Aquatic Toxicity

Carbon Black	1333-86-4
Daphnia Magna (Water Flea)	EC50 24h >5600 mg/L

Persistence and Degradability

No information available.

Bioaccumulative Potential

No information available.

Other Toxicity

No information available.

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Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

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

Tin Catalyst	22673-19-4
California Hazardous Waste	Toxic

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

International Inventories

TSCA Inventory Status And TSCA Information

Not determined.

DSL

Not determined.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL – Canadian Domestic Substance List/Non-Domestic Substances List

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U.S. Federal Regulations

SARA 313 Chemicals

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 Class

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	No
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 Regulated Chemicals

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.

U.S. State Regulations

California Proposition 65

Contains trace amounts of n-hexane (CAS# 110-54-3) and Methanol (CAS# 67-56-1), which are known by the State of California to cause reproductive harm.

New Jersey Right-to-Know Hazardous Substance List

471-34-1 Calcium Carbonate
1333-86-4 Carbon Black
1317-65-3 Limestone
13463-67-7 Titanium Dioxide

Massachusetts Right-to-Know Hazardous Substance List

471-34-1 Calcium Carbonate
1333-86-4 Carbon Black
1317-65-3 Limestone
13463-67-7 Titanium Dioxide

Pennsylvania Right-to-Know Hazardous Substance List

471-34-1 Calcium Carbonate
1333-86-4 Carbon Black
1317-65-3 Limestone
13463-67-7 Titanium Dioxide

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Illinois Right-to-Know Hazardous Substance List

1333-86-4 Carbon Black

International Regulations

Mexico

Component	Carcinogen Status	Exposure Limits
Titanium Dioxide 13463-67-7 (1-5)		Mexico: TWA= 10 mg/m ³ Mexico: STEL= 20 mg/m ³
Tin Catalyst 22673-19-4 (0.1-1)		Mexico: TWA 0.1 mg/m ³ Mexico: STEL 0.2 mg/m ³
Carbon Black 1333-86-4 (1-5)		Mexico: TWA 3.5 mg/m ³ Mexico: STEL 7 mg/m ³
Calcium Carbonate 471-34-1 (15-45)		Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³
Limestone 1317-65-3 (10-30)		Mexico: TWA= 10 mg/m ³ Mexico: STEL= 20 mg/m ³

Canada

WHMIS Hazard Classes

D2A – Very toxic materials

D2B – Toxic materials



Section 16 - OTHER INFORMATION

HMIS Rating

Health: 2* Flammability: 0 Physical Hazard: 0 Personal Protection: X

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

NFPA Ratings

Health: 2 Flammability: 0 Instability: 0

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

Summary of Changes

Revision Date: 15 October 2019

Revision Note: General Update

Key / Legend

ACGIH – 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

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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.