



HYDRO BAN[®] Adhesive & Sealant

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Date of Issue: 05/03/2019

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: HYDRO BAN[®] Adhesive & Sealant

1.2. Intended Use of the Product

Sealant

1.3. Name, Address, and Telephone of the Responsible Party

Company

LATICRETE International

1 Laticrete Park, N

Bethany, CT 06524

T (203)-393-0010

www.laticrete.com

Company

LATICRETE Canada ULC

PO Box 129, Emeryville, Ontario, Canada

NOR-1A0

(833)-254-9255

1.4. Emergency Telephone Number

Emergency Number : For Chemical Emergency Call ChemTel day or night

Within USA and Canada: 1.800.255.3924

Mexico: 1.800.099.0731

Outside USA and Canada: 1.813.248.0585 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Eye Irrit. 2A H319

Skin Sens. 1 H317

Carc. 1A H350

STOT RE 1 H372

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H350 - May cause cancer (Inhalation).

H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements (GHS-US/CA)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing, and eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of 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.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P314 - Get medical advice/attention if you feel unwell.

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P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Supplemental Information

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Proper grounding procedures to avoid static electricity should be followed. Prevent dust accumulation (to minimize explosion hazard). Avoid generating dust.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product Identifier | % * | GHS Ingredient Classification |
|---|----------------------|---------|--|
| Carbonic acid, calcium salt (1:1) | (CAS-No.) 471-34-1 | 25 - 50 | Not classified |
| Limestone | (CAS-No.) 1317-65-3 | 25 - 50 | Not classified |
| Titanium dioxide | (CAS-No.) 13463-67-7 | 2 - 12 | Carc. 2, H351 |
| Stearic acid | (CAS-No.) 57-11-4 | 5 - 10 | Comb. Dust |
| Silane, ethenyltrimethoxy- | (CAS-No.) 2768-02-7 | <= 2.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapor), H332 STOT RE 2, H373 |
| Methanol | (CAS-No.) 67-56-1 | <= 2.5 | Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 STOT SE 1, H370 |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine | (CAS-No.) 1760-24-3 | <= 2.5 | Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 Skin Sens. 1, H317 |
| Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- | (CAS-No.) 25973-55-1 | <= 2.5 | STOT RE 2, H373 Aquatic Chronic 4, H413 Comb. Dust |
| Quartz | (CAS-No.) 14808-60-7 | <= 2.5 | Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372 |

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

Skin Contact: Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing. Obtain medical attention if irritation/rash develops or persists. If exposed or concerned: Get medical advice/attention.

Eye Contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

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Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye irritation. Skin sensitization. Causes damage to organs through prolonged or repeated exposure. May cause cancer (Inhalation).

Inhalation: Dust may be harmful or cause irritation. Accelerated Silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; lung lesions can appear within five years of the initial exposure. The progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except that lung lesions appear earlier and the progression is more rapid.

Acute Silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis can be fatal.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure. May cause cancer by inhalation. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects. Repeated or prolonged exposure to titanium dioxide dust via inhalation is suspected of causing cancer of the respiratory tract.

4.3. Indication of Any Immediate Medical Attention an Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive. Exposure to heat may cause bursting.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Titanium oxides.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

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Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Avoid contact with eyes, skin and clothing. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Sealant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

| Carbonic acid, calcium salt (1:1) (471-34-1) | | |
|--|--------------------------------------|---|
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nunavut | OEL STEL (mg/m ³) | 20 mg/m ³ (Limestone) |
| Nunavut | OEL TWA (mg/m ³) | 10 mg/m ³ (Limestone) |
| Northwest Territories | OEL STEL (mg/m ³) | 20 mg/m ³ (Limestone) |
| Northwest Territories | OEL TWA (mg/m ³) | 10 mg/m ³ (Limestone) |
| Québec | VEMP (mg/m ³) | 10 mg/m ³ (total dust) |
| Saskatchewan | OEL STEL (mg/m ³) | 20 mg/m ³ (Limestone) |
| Saskatchewan | OEL TWA (mg/m ³) | 10 mg/m ³ (Limestone) |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 30 mppcf 10 mg/m ³ |
| Limestone (1317-65-3) | | |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| British Columbia | OEL STEL (mg/m ³) | 20 mg/m ³ (total) |
| British Columbia | OEL TWA (mg/m ³) | 10 mg/m ³ (total dust) 3 mg/m ³ (respirable fraction) |
| New Brunswick | OEL TWA (mg/m ³) | 10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica) |
| Nunavut | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Northwest Territories | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Northwest Territories | OEL TWA (mg/m ³) | 10 mg/m ³ |

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| | | |
|---|--------------------------------------|---|
| Québec | VEMP (mg/m ³) | 10 mg/m ³ (Limestone, containing no Asbestos and <1% Crystalline silica-total dust) |
| Saskatchewan | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 30 mppcf 10 mg/m ³ |
| Stearic acid (57-11-4) | | |
| USA ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ (inhalable particulate matter) 3 mg/m ³ (respirable particulate matter) |
| Manitoba | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particulate matter) 3 mg/m ³ (respirable particulate matter) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particulate matter) 3 mg/m ³ (respirable particulate matter) |
| Nova Scotia | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particulate matter) 3 mg/m ³ (respirable particulate matter) |
| Prince Edward Island | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particulate matter) 3 mg/m ³ (respirable particulate matter) |
| Titanium dioxide (13463-67-7) | | |
| USA ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ |
| USA ACGIH | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 2.4 mg/m ³ (CIB 63-fine) 0.3 mg/m ³ (CIB 63-ultrafine, including engineered nanoscale) |
| USA IDLH | US IDLH (mg/m ³) | 5000 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 10 mg/m ³ (total dust) 3 mg/m ³ (respirable fraction) |
| Manitoba | OEL TWA (mg/m ³) | 10 mg/m ³ |
| New Brunswick | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nova Scotia | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nunavut | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Northwest Territories | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Northwest Territories | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Ontario | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Prince Edward Island | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Québec | VEMP (mg/m ³) | 10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust) |
| Saskatchewan | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 30 mppcf 10 mg/m ³ |
| Silane, ethenyltrimethoxy- (2768-02-7) | | |
| Ontario | OEL STEL (mg/m ³) | 60 mg/m ³ |
| Ontario | OEL STEL (ppm) | 10 ppm |
| Methanol (67-56-1) | | |
| USA ACGIH | ACGIH TWA (ppm) | 200 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 250 ppm |

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| | | |
|------------------------------------|---------------------------------------|---|
| USA ACGIH | ACGIH chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route |
| USA ACGIH | Biological Exposure Indices (BEI) | 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific) |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 260 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 200 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 260 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 200 ppm |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 325 mg/m ³ |
| USA NIOSH | NIOSH REL (STEL) (ppm) | 250 ppm |
| USA IDLH | US IDLH (ppm) | 6000 ppm |
| Alberta | OEL STEL (mg/m ³) | 328 mg/m ³ |
| Alberta | OEL STEL (ppm) | 250 ppm |
| Alberta | OEL TWA (mg/m ³) | 262 mg/m ³ |
| Alberta | OEL TWA (ppm) | 200 ppm |
| British Columbia | OEL STEL (ppm) | 250 ppm |
| British Columbia | OEL TWA (ppm) | 200 ppm |
| Manitoba | OEL STEL (ppm) | 250 ppm |
| Manitoba | OEL TWA (ppm) | 200 ppm |
| New Brunswick | OEL STEL (mg/m ³) | 328 mg/m ³ |
| New Brunswick | OEL STEL (ppm) | 250 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 262 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 200 ppm |
| Newfoundland & Labrador | OEL STEL (ppm) | 250 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 200 ppm |
| Nova Scotia | OEL STEL (ppm) | 250 ppm |
| Nova Scotia | OEL TWA (ppm) | 200 ppm |
| Nunavut | OEL STEL (ppm) | 250 ppm |
| Nunavut | OEL TWA (ppm) | 200 ppm |
| Northwest Territories | OEL STEL (ppm) | 250 ppm |
| Northwest Territories | OEL TWA (ppm) | 200 ppm |
| Ontario | OEL STEL (ppm) | 250 ppm |
| Ontario | OEL TWA (ppm) | 200 ppm |
| Prince Edward Island | OEL STEL (ppm) | 250 ppm |
| Prince Edward Island | OEL TWA (ppm) | 200 ppm |
| Québec | VECD (mg/m ³) | 328 mg/m ³ |
| Québec | VECD (ppm) | 250 ppm |
| Québec | VEMP (mg/m ³) | 262 mg/m ³ |
| Québec | VEMP (ppm) | 200 ppm |
| Saskatchewan | OEL STEL (ppm) | 250 ppm |
| Saskatchewan | OEL TWA (ppm) | 200 ppm |
| Yukon | OEL STEL (mg/m ³) | 310 mg/m ³ |
| Yukon | OEL STEL (ppm) | 250 ppm |
| Yukon | OEL TWA (mg/m ³) | 260 mg/m ³ |
| Yukon | OEL TWA (ppm) | 200 ppm |
| Quartz (14808-60-7) | | |
| USA ACGIH | ACGIH TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| USA ACGIH | ACGIH chemical category | A2 - Suspected Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 50 µg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 0.05 mg/m ³ (respirable dust) |
| USA IDLH | US IDLH (mg/m ³) | 50 mg/m ³ (respirable dust) |
| Alberta | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate) |

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| | | |
|-------------------------|------------------------------|---|
| British Columbia | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable) |
| Manitoba | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| New Brunswick | OEL TWA (mg/m ³) | 0.1 mg/m ³ (respirable fraction) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| Nova Scotia | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| Nunavut | OEL TWA (mg/m ³) | 0.05 mg/m ³ (respirable fraction) |
| Northwest Territories | OEL TWA (mg/m ³) | 0.05 mg/m ³ (respirable fraction) |
| Ontario | OEL TWA (mg/m ³) | 0.1 mg/m ³ (designated substances regulation-respirable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| Québec | VEMP (mg/m ³) | 0.1 mg/m ³ (respirable dust) |
| Saskatchewan | OEL TWA (mg/m ³) | 0.05 mg/m ³ (respirable fraction) |
| Yukon | OEL TWA (mg/m ³) | 300 particle/mL |

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | |
|--------------------------------|--------------------------------|
| Physical State | : Solid |
| Appearance | : White Paste |
| Odor | : Slight |
| Odor Threshold | : Not available |
| pH | : Not available |
| Evaporation Rate | : Not available |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : <= 250 °C (<= 482 °F) |
| Flash Point | : > 200 °C (> 392 °F) ISO 2592 |
| Auto-ignition Temperature | : Not available |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : Not available |
| Upper Flammable Limit | : Not available |
| Vapor Pressure | : Not available |
| Relative Vapor Density at 20°C | : Not available |
| Relative Density | : 1.66 |

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| | |
|--|-------------------------|
| Specific Gravity | : Not miscible in water |
| Solubility | : Not available |
| Partition Coefficient: N-Octanol/Water | : Not available |
| Viscosity | : Not available |

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Not expected to decompose under ambient conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Dust may be harmful or cause irritation. Accelerated Silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; lung lesions can appear within five years of the initial exposure. The progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except that lung lesions appear earlier and the progression is more rapid.

Acute Silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis can be fatal.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure. May cause cancer by inhalation. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects. Repeated or prolonged exposure to titanium dioxide dust via inhalation is suspected of causing cancer of the respiratory tract.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| | |
|---|---------------|
| Carbonic acid, calcium salt (1:1) (471-34-1) | |
| LD50 Oral Rat | 6450 mg/kg |
| Stearic acid (57-11-4) | |
| LD50 Oral Rat | > 5000 mg/kg |
| LD50 Dermal Rat | > 2000 mg/kg |
| Titanium dioxide (13463-67-7) | |
| LD50 Oral Rat | > 10000 mg/kg |
| Silane, ethenyltrimethoxy- (2768-02-7) | |
| LD50 Oral Rat | 7340 µl/kg |

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| | |
|---|---|
| LC50 Inhalation Rat | 11 mg/l/4h |
| Methanol (67-56-1) | |
| LD50 Dermal Rabbit | 15840 mg/kg |
| LC50 Inhalation Rat | 3 mg/l/4h |
| LC50 Inhalation Rat | 22500 ppm (Exposure time: 8 h) |
| ATE US/CA (oral) | 100.00 mg/kg body weight |
| ATE US/CA (dermal) | 300.00 mg/kg body weight |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3) | |
| LD50 Oral Rat | 2413 mg/kg |
| LC50 Inhalation Rat | 1.49 - 2.44 mg/l/4h |
| ATE US/CA (vapors) | 1.49 mg/l/4h |
| ATE US/CA (dust, mist) | 1.49 mg/l/4h |
| Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (25973-55-1) | |
| LD50 Oral Rat | > 2325 mg/kg |
| Quartz (14808-60-7) | |
| LD50 Oral Rat | > 5000 mg/kg |
| LD50 Dermal Rat | > 5000 mg/kg |
| Titanium dioxide (13463-67-7) | |
| IARC Group | 2B |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |
| Quartz (14808-60-7) | |
| IARC Group | 1 |
| National Toxicology Program (NTP) Status | Known Human Carcinogens. |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Not classified.

| | |
|---|--|
| Silane, ethenyltrimethoxy- (2768-02-7) | |
| EC50 Daphnia 1 | 168.7 mg/l |
| NOEC Chronic Algae | 10 mg/l |
| Methanol (67-56-1) | |
| LC50 Fish 1 | 28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 1340 mg/l |
| LC50 Fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |

12.2. Persistence and Degradability

| | |
|--|------------------|
| HYDRO BAN® Adhesive & Sealant | |
| Persistence and Degradability | Not established. |

12.3. Bioaccumulative Potential

| | |
|---|----------------------|
| HYDRO BAN® Adhesive & Sealant | |
| Bioaccumulative Potential | Not established. |
| Carbonic acid, calcium salt (1:1) (471-34-1) | |
| BCF Fish 1 | (no bioaccumulation) |
| Methanol (67-56-1) | |
| BCF Fish 1 | < 10 |
| Log Pow | -0.77 |

12.4. Mobility in Soil

| | |
|-------------------------------|-------|
| Stearic acid (57-11-4) | |
| Log Koc | 51.05 |

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

| | |
|--|--|
| HYDRO BAN® Adhesive & Sealant | |
| SARA Section 311/312 Hazard Classes | Health hazard - Carcinogenicity Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Respiratory or skin sensitization Health hazard - Serious eye damage or eye irritation Physical hazard - Combustible dust |
| Carbonic acid, calcium salt (1:1) (471-34-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Limestone (1317-65-3) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Stearic acid (57-11-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Titanium dioxide (13463-67-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Silane, ethenyltrimethoxy- (2768-02-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Methanol (67-56-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 5000 lb |
| SARA Section 313 - Emission Reporting | 1 % |
| N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (25973-55-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Quartz (14808-60-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

15.2. US State Regulations

California Proposition 65

 **WARNING:** This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer, and 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Chemical Name (CAS No.) | Carcinogenicity | Developmental Toxicity | Female Reproductive Toxicity | Male Reproductive Toxicity |
|-------------------------------|-----------------|------------------------|------------------------------|----------------------------|
| Titanium dioxide (13463-67-7) | X | | | |
| Methanol (67-56-1) | | X | | |

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| | | | |
|---------------------|---|--|--|
| Quartz (14808-60-7) | X | | |
|---------------------|---|--|--|

Limestone (1317-65-3)

| |
|--|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

Titanium dioxide (13463-67-7)

| |
|--|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

Methanol (67-56-1)

| |
|---|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

Quartz (14808-60-7)

| |
|--|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

15.3. Canadian Regulations

Carbonic acid, calcium salt (1:1) (471-34-1)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

Limestone (1317-65-3)

| |
|--|
| Listed on the Canadian NDSL (Non-Domestic Substances List) |
|--|

Stearic acid (57-11-4)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

Titanium dioxide (13463-67-7)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

Silane, ethenyltrimethoxy- (2768-02-7)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

Methanol (67-56-1)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (25973-55-1)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

Quartz (14808-60-7)

| |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |
|---|

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

| | |
|---|---|
| Date of Preparation or Latest Revision | : 05/03/2019 |
| Other Information | : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17. |

GHS Full Text Phrases:

| | |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 4 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment - Chronic Hazard Category 4 |

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| | |
|---------------|---|
| Carc. 1A | Carcinogenicity Category 1A |
| Carc. 2 | Carcinogenicity Category 2 |
| Comb. Dust | Combustible Dust |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| STOT RE 2 | Specific target organ toxicity (repeated exposure) Category 2 |
| STOT SE 1 | Specific target organ toxicity (single exposure) Category 1 |
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H301 | Toxic if swallowed |
| H311 | Toxic in contact with skin |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H370 | Causes damage to organs |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H413 | May cause long lasting harmful effects to aquatic life |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US)