

## SAFETY DATA SHEET

### ROAD MARKER ADHESIVE HARDENER PART B

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

#### 1. Identification

##### Product identifier

**Product name** ROAD MARKER ADHESIVE HARDENER PART B

**Product number** B22-B

##### Recommended use of the chemical and restrictions on use

**Application** Paint.

**Uses advised against** No specific uses advised against are identified.

##### Details of the supplier of the safety data sheet

**Supplier** See Manufacturer

**Manufacturer** Picco Coatings Co., Inc.  
20738 Stokes Rd.  
Waller, TX. 77484  
281-447-8877  
281-447-4324

##### Emergency telephone number

**Emergency telephone** P.E.R.S. 1-800-633-8253

##### International

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1A - H350 Repr. 2 - H361fd STOT RE 1 - H372

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

##### Label elements

##### Hazard symbols



**Signal word**

Danger

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### Hazard statements

H302+H312 Harmful if swallowed or in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H341 Suspected of causing genetic defects.  
 H350 May cause cancer.  
 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe vapor/ spray.  
 P261 Avoid breathing vapor/ spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell.  
 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 P302+P352 If on skin: Wash with plenty of water.  
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 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.  
 P310 Immediately call a poison center/ doctor.  
 P314 Get medical advice/ attention if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

4-nonylphenol, branched, wollastonite (Ca(SiO<sub>3</sub>)), 2-piperazin-1-ylethylamine, Dolomite, phenol

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

4-nonylphenol, branched CAS number: 84852-15-3	10-30%
talca (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) CAS number: 14807-96-6	10-30%

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<b>wollastonite (Ca(SiO<sub>3</sub>))</b> CAS number: 13983-17-0	<b>10-30%</b>
<b>2-piperazin-1-ylethylamine</b> CAS number: 140-31-8	<b>10-30%</b>
<b>Dolomite</b> CAS number: 16389-88-1	<b>10-30%</b>
<b>Magnesium Carbonate</b> CAS number: 546-93-0	<b>&lt;1%</b>
<b>phenol</b> CAS number: 108-95-2	<b>&lt;1%</b>
<b>carbon black</b> CAS number: 1333-86-4	<b>&lt;1%</b>
<b>xylene</b> CAS number: 1330-20-7	<b>&lt;1%</b>
<b>ethylbenzene</b> CAS number: 100-41-4	<b>&lt;1%</b>
<b>n-butyl acetate</b> CAS number: 123-86-4	<b>&lt;1%</b>
<b>toluene</b> CAS number: 108-88-3	<b>&lt;1%</b>

#### 4. First-aid measures

##### Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. Chemical burns must be treated by a physician.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention if symptoms are severe or persist.

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<b>Skin Contact</b>	It is important to remove the substance from the skin immediately. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Chemical burns must be treated by a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Severe irritation of nose and throat. Symptoms following overexposure may include the following: Corrosive to the respiratory tract. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
<b>Ingestion</b>	May cause sensitization or allergic reactions in sensitive individuals. May cause chemical burns in mouth, esophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
<b>Skin contact</b>	May cause skin sensitization or allergic reactions in sensitive individuals. Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
<b>Eye contact</b>	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

### **Indication of immediate medical attention and special treatment needed**

**Notes for the doctor**                      Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

## **5. Fire-fighting measures**

### **Extinguishing media**

**Suitable extinguishing media**        The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**        Do not use water jet as an extinguisher, as this will spread the fire.

### **Special hazards arising from the substance or mixture**

**Specific hazards**                              Containers can burst violently or explode when heated, due to excessive pressure build-up. This product is toxic. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

**Hazardous combustion products**        Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapors.

### **Advice for firefighters**

**Protective actions during firefighting**        Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

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**Special protective equipment for firefighters** Regular protection may not be safe. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid inhalation of vapors and spray/mists. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

#### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. This product is corrosive. Provide adequate ventilation. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. This product is corrosive. Immediate first aid is imperative. May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Storage class** Corrosive storage.

#### Specific end uses(s)

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

#### Control parameters

#### Occupational exposure limits

##### **talca (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)**

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup> respirable fraction

A4

Long-term exposure limit (8-hour TWA): ACGIH 0.1 f/cc containing asbestos fibers

A1

##### **Magnesium Carbonate**

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust

##### **phenol**

Long-term exposure limit (8-hour TWA): ACGIH 5 ppm 19 mg/m<sup>3</sup>

A4, Sk

Long-term exposure limit (8-hour TWA): OSHA 5 ppm 19 mg/m<sup>3</sup>

Sk

##### **carbon black**

Long-term exposure limit (8-hour TWA): OSHA 3.5 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 3 mg/m<sup>3</sup> inhalable fraction

A3

##### **xylene**

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 434 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 150 ppm 651 mg/m<sup>3</sup>

A4

##### **ethylbenzene**

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 87 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m<sup>3</sup>

A3

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 87 mg/m<sup>3</sup>

A3

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m<sup>3</sup>

##### **n-butyl acetate**

Long-term exposure limit (8-hour TWA): OSHA 150 ppm 710 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 150 ppm 713 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 200 ppm 950 mg/m<sup>3</sup>

##### **toluene**

Long-term exposure limit (8-hour TWA): OSHA 200 ppm

Ceiling exposure limit: OSHA 300 ppm

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 75 mg/m<sup>3</sup>

A4

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

A4 = Not Classifiable as a Human Carcinogen.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

Sk = Danger of cutaneous absorption.

A1 = Confirmed Human Carcinogen.

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### talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) (CAS: 14807-96-6)

**Immediate danger to life and health** 3000 mg/m<sup>3</sup> 3000 mg/m<sup>3</sup>

### phenol (CAS: 108-95-2)

**Immediate danger to life and health** 250 ppm

### carbon black (CAS: 1333-86-4)

**Immediate danger to life and health** 1750 mg/m<sup>3</sup>

### ethylbenzene (CAS: 100-41-4)

**Immediate danger to life and health** 800 ppm 800 ppm

### n-butyl acetate (CAS: 123-86-4)

**Immediate danger to life and health** 1700 ppm

### toluene (CAS: 108-88-3)

**Immediate danger to life and health** 500 ppm

### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

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<b>Respiratory protection</b>	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Slightly viscous liquid.
<b>Color</b>	Grey.
<b>Odor</b>	Irritating. Ammonia.
<b>Odor threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not determined.
<b>Vapor pressure</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Relative density</b>	~ 12.61 LBS GAL
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	~5,500 cP @ 25°C/77°F
<b>Explosive properties</b>	Not determined.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidizing properties</b>	Not applicable.



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### 10. Stability and reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Corrosive gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Acute Tox. 4 - H302 Harmful if swallowed.

**ATE oral (mg/kg)** 1,639.45

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 1,985.51

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 2,006.69

**ATE inhalation (dusts/mists mg/l)** 6.32

#### Skin corrosion/irritation

**Animal data** Skin Corr. 1B - H314 Causes severe burns.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Eye Dam. 1 - H318 Corrosive to skin. Corrosivity to eyes is assumed.

#### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

#### Skin sensitization

**Skin sensitization** May cause skin sensitization or allergic reactions in sensitive individuals.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** May cause cancer.

#### **IARC carcinogenicity**

Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

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### Reproductive toxicity

**Reproductive toxicity - fertility** Suspected of damaging fertility.

**Reproductive toxicity - development** Suspected of damaging the unborn child.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

**Target organs** Respiratory system, lungs

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### **General information**

Avoid contact during pregnancy/while nursing. May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### **Inhalation**

Corrosive to the respiratory tract. Symptoms following overexposure may include the following: Severe irritation of nose and throat.

### **Ingestion**

May cause sensitization or allergic reactions in sensitive individuals. May cause chemical burns in mouth, esophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.

### **Skin Contact**

May cause skin sensitization or allergic reactions in sensitive individuals. Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.

### **Eye contact**

Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

### **Route of exposure**

Ingestion Inhalation Skin and/or eye contact

### **Target Organs**

No specific target organs known.

### **Medical considerations**

Skin disorders and allergies.

## 12. Ecological information

### **Ecotoxicity**

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### **Toxicity**

Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

### **Partition coefficient**

Not determined.

### Mobility in soil

**Mobility** No data available.

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### Other adverse effects

Other adverse effects            None known.

### 13. Disposal considerations

#### Waste treatment methods

##### General information

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

##### Disposal methods

Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

### 14. Transport information

#### General

For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

#### UN Number

UN No. (TDG)	3066
UN No. (IMDG)	3066
UN No. (ICAO)	3066
UN No. (DOT)	UN3066

#### UN proper shipping name

Proper shipping name (TDG)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (DOT)	PAINT

#### Transport hazard class(es)

DOT hazard class	8
DOT hazard label	8
TDG class	8
TDG label(s)	8
IMDG Class	8
ICAO class/division	8

#### Transport labels



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### DOT transport labels



### Packing group

TDG Packing Group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

### Environmental hazards

#### Environmentally Hazardous Substance

No.

### Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-A, S-B

## 15. Regulatory information

### US Federal Regulations

#### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The following ingredients are listed or exempt:

##### *phenol*

EPCRA 302 TPQ 10000 lbs TPQ if the solid exists in powdered form and has a particle size less than 100 microns 500 lbs Tier II TPQ 500 lbs

#### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed or exempt:

##### *ethylbenzene*

Final CERCLA RQ: 1000(454) pounds (Kilograms)  
Final CERCLA RQ: 1000(454) pounds (Kilograms)

##### *n-butyl acetate*

Final CERCLA RQ: 5000(2270) pounds (Kilograms)

##### *toluene*

Final CERCLA RQ: 1000(454) pounds (Kilograms)

##### *xylene*

Final CERCLA RQ: 100(45.4) pounds (Kilograms)

##### *phenol*

Final CERCLA RQ: 1000(454) pounds (Kilograms)

#### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

### SARA 313 Emission Reporting

The following ingredients are listed or exempt:

##### *ethylbenzene*

0.1 %

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*toluene*

1.0 %

*xylene*

0.1 %

1.0 %

*phenol*

1.0 %

### **CAA Accidental Release Prevention**

None of the ingredients are listed or exempt.

### **FDA - Essential Chemical**

None of the ingredients are listed or exempt.

### **FDA - Precursor Chemical**

None of the ingredients are listed or exempt.

### **SARA (311/312) Hazard Categories**

None of the ingredients are listed or exempt.

### **OSHA Highly Hazardous Chemicals**

None of the ingredients are listed or exempt.

### **US State Regulations**

#### **California Proposition 65 Carcinogens and Reproductive Toxins**

The following ingredients are listed or exempt:

*ethylbenzene*

Carcinogen.

*toluene*

Developmental toxin and reproductive toxin.

*carbon black*

Carcinogen.

#### **California Air Toxics "Hot Spots" (A-I)**

The following ingredients are listed or exempt:

*ethylbenzene*

*2-methoxy-1-methylethyl acetate*

*toluene*

*xylene*

*phenol*

#### **California Air Toxics "Hot Spots" (A-II)**

None of the ingredients are listed or exempt.

#### **California Directors List of Hazardous Substances**

The following ingredients are listed or exempt:

*ethylbenzene*

*n-butyl acetate*

*toluene*

*xylene*

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*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*wollastonite (Ca(SiO<sub>3</sub>))*

*carbon black*

### **Massachusetts "Right To Know" List**

The following ingredients are listed or exempt:

*2-piperazin-1-ylethylamine*

*ethylbenzene*

*n-butyl acetate*

*toluene*

*xylene*

*Magnesium Carbonate*

*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*carbon black*

### **Rhode Island "Right To Know" List**

The following ingredients are listed or exempt:

*ethylbenzene*

*n-butyl acetate*

*toluene*

*xylene*

*Magnesium Carbonate*

*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*carbon black*

### **Minnesota "Right To Know" List**

The following ingredients are listed or exempt:

*ethylbenzene*

*n-butyl acetate*

*toluene*

*xylene*

*Magnesium Carbonate*

*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*carbon black*

### **New Jersey "Right To Know" List**

The following ingredients are listed or exempt:

*2-piperazin-1-ylethylamine*

*ethylbenzene*

*n-butyl acetate*

## ROAD MARKER ADHESIVE HARDENER PART B

*toluene*

*xylene*

*Magnesium Carbonate*

*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*carbon black*

### **Pennsylvania "Right To Know" List**

The following ingredients are listed or exempt:

*2-piperazin-1-ylethylamine*

*ethylbenzene*

*n-butyl acetate*

*toluene*

*xylene*

*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*carbon black*

### **Inventories**

#### **US - TSCA**

The following ingredients are listed or exempt:

*2-piperazin-1-ylethylamine*

*ethylbenzene*

*2-methoxy-1-methylethyl acetate*

*n-butyl acetate*

*toluene*

*xylene*

*Magnesium Carbonate*

*Dolomite*

*talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)*

*phenol*

*4-nonylphenol, branched*

*wollastonite (Ca(SiO<sub>3</sub>))*

*carbon black*

#### **US - TSCA 12(b) Export Notification**

None of the ingredients are listed or exempt.

### **16. Other information**

## ROAD MARKER ADHESIVE HARDENER PART B

### Abbreviations and acronyms used in the safety data sheet

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service.

ATE: Acute toxicity estimate.

LC<sub>50</sub>: Lethal concentration to 50 % of a test population.

LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).

EC<sub>50</sub>: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity

Carc. = Carcinogenicity

Eye Dam. = Serious eye damage

Repr. = Reproductive toxicity

Skin Corr. = Skin corrosion

Skin Sens. = Skin sensitisation

STOT RE = Specific target organ toxicity-repeated exposure

Aquatic Acute = Hazardous to the aquatic environment (acute)

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Training advice

Only trained personnel should use this material.

### Revision date

3/3/2023

### Revision

10

### Supersedes date

3/3/2023

### SDS No.

7100

### Hazard statements in full

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

### End of SDS

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.