

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2022-08-25

## Section 1 - Product and Company Information

**Product Name:** SMC Hardset Filler (A-Side) - cartridge

**Product Part Number(s):** 2020-CA,

**Recommended Use:** Epoxy based filler for plastic bumpers.

**COMPANY IDENTIFICATION:**

Polyvance  
1128 Kirk Rd.  
Rainsville, AL 35986

**Information email:** info@polyvance.com

**EMERGENCY TELEPHONE NUMBER:**

**24 Hour Emergency contact:** Chemtrec: 1-800-424-9300  
Outside US: 703-527-3887

**Customer Information Number:** 256-638-4103 (7AM - 4PM (CST) M-F)

## Section 2 - Hazards Identification

**Appearance:** White high viscosity liquid

**Odor:** Rotten cabbage smell (mercaptan)

**Hazard Statement:**

May be harmful if swallowed. Causes skin irritation. Causes eye irritation.

**Signal Word:** Not Applicable

**Signal Word Hazard:** Not Applicable

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

### GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H303	May be harmful if swallowed
Health	H315	Causes skin irritation
Health	H320	Causes eye irritation

**Precautionary Statement:**

Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
General	P102	Keep out of reach of children
General	P103	Read label before use
Prevention	P262	Do not get in eyes, on skin, or on clothing

## Potential Health Effects

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<b>Eye Contact:</b>	Skin: Slightly irritating. Prolonged exposure may cause allergic reaction in susceptible individuals. Eye: Mildly irritating.
<b>Skin Absorption:</b>	Redness, allergy reaction, eczema, or skin conditions.
<b>Inhalation:</b>	May result in irritation of nose, throat, and respiratory tract.
<b>Ingestion:</b>	Slightly toxic. May cause irritation of throat, mouth, and gastrointestinal irritation.

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## Section 3 - Composition / Information on Ingredients

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Component	CAS #	ENIECS	REACH Reg. No.	Amount
Formaldehyde Polymer	25155-81-1			1 - 5%
DiVinyl Benzene	1321-74-0			1 - 5%
Mercaptan-terminated polymer	Proprietary			50 - 60%
2,4,6 Tri(dimethylaminomethyl) Phenol	90-72-2			5 - 10%
Talc	14807-96-6			20 - 30%
Titanium Dioxide	13463-67-7			1 - 5%
Cellulose Fiber	65996-61-4			1 - 5%
Fumed Silica	112945-52-5			1 - 5%
Thixotropic Amide Wax	00110-30-5			1 - 5%

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## Section 4 - First Aid Measures

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<b>Eye Contact:</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>Skin Contact:</b>	Wash with soap and water and rinse thoroughly.
<b>Medical Conditions Aggravated by Exposure:</b>	Respiratory tract, skin and gastrointestinal irritation.

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## Section 5 - Firefighting Measures

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<b>Extinguishing Media:</b>	Foam, alcohol foam, CO2, Dry Chemical, Water fog
<b>Unusual Fire or Explosion Hazards:</b>	None
<b>Fire Fighting Procedures:</b>	Large fire - use self contained breathing apparatus

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## Section 6 - Accidental Release Measures

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<b>Methods For Clean Up:</b>	Soak up with absorbent material and place in ventilated waste container for disposal.
<b>Methods for Containment:</b>	Dispose of in an approved chemical waste landfill or incinerate in accordance with applicable federal, state, and local regulations.

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## Section 7 - Handling and Storage

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<b>General Handling Practices:</b>	Keep out of reach of children. Keep tightly closed. Eating, drinking, and smoking should be prohibited where there is potential exposure to toxic material. For professional use only. Not intended for sale to the general public.
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**Storage Requirements:** Store in a cool, dry, well ventilated place. Keep tightly closed to prevent leakage and retain activity. Store away from open flames. Prevent skin and eye contact with appropriate clothing and safety glasses. Avoid inhalation of dust generated during machining after use.

## Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
Aliphatic Petroleum Naphthas	OSHA	PEL	400 ppm	STEL
Aliphatic Petroleum Naphthas	ACGIH	TLV	300 ppm	TWA
Aliphatic Petroleum Naphthas	OSHA	PEL	300 ppm	TWA
Divinyl Benzene	ACGIH	TLV	10 ppm	TWA
Talc	NIOSH	TWA	2 mg/m3	TWA
Talc	OSHA	TWA	2 mg/m3	TWA
Talc	ACGIH	TLV	2 mg/m3	TWA

### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Safety glasses with side shields.

**Skin Protection:** Rubber or plastic.

**Respiratory Protection:** When used in a confined area, an approved chemical/mechanical filter, designed to remove a combination of particles and vapors should be used.

**Hygienic Measures:** Wash hands before eating, smoking, or using the washroom.

**Other Protection Measures:** Wear impervious clothing and boots. Eye wash stations and safety showers should be available.

**Engineering Controls:** Provide sufficient mechanical, general, or local exhaust ventilation.

**HMIS Personal Protection:** E



## Section 9 - Physical and Chemical Properties

**Appearance:** Almost white

**Color:** White

**Odor:** Mercaptan (rotten cabbage)

**Odor Threshold:** Not determined

**pH:** Not determined

**Melting Point:** Not determined

**Freezing Point:** Not determined

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**Boiling Range:** Not available

**Flash Point:** 65 C (150 F)

**Evaporation Rate:** Not available

**Flammability:** Not available

**Upper Flammability Limit:** 6.2

**Lower Flammability Limit:** 0.7

**Vapor Pressure:** Not available

**Vapor Density:** Heavier than air  
**Specific Gravity:** 1.3  
**Solubility in Water:** Not Soluble  
**Partition Coefficient:** Not available  
**Autoignition Temperature:** Not available  
**Decomposition Temperature:** Not available  
**Viscosity:** Not available

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## Section 10 - Stability and Reactivity

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**Chemical Stability:** Stable

**Conditions to Avoid:** Excessive heat. Open flames.

**Incompatible Materials:** Strong oxidizing agents, epoxy resins and amines.

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, H<sub>2</sub>S, Oxides of sulfur and nitrogen.

**Products:**

**Hazardous Polymerization:** Will Not Occur

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** Not available

**Skin Absorption:** Not available

**Inhalation:** Not available

**Sensitization:** Not available

**Acute Dose:** Not available

**Repeated Dose:** Not available

**Carcinogenicity:** Not available

**Corrosivity:** Not available

**Neurological:** Not available

**Reproductive:** Not available

**Genetic:** Not available

**Developmental:** Not available

**Eye Irritation:** Not available

**Skin Irritation:** Not available

**Target Organs:** Not available

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## Section 12 - Ecological Information

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**EcoToxicity:** Not Available

**Persistence/Degradability:** Not available

**Bioaccumulation:** Not available

**Mobility / Partitioning:** Not available

**Other Adverse Effects:** Not available

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## Section 13 - Disposal Considerations

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**Disposal Method:** Dispose of in an approved chemical waste landfill or incinerate in accordance with applicable federal, state, and local regulations.

**Container Disposal:** Disposal must be made according to official regulations.

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## Section 14 - Transport Information

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### DOT

Proper Shipping Name: Adhesive NOI

### IMDG (Maritime transport)

Proper Shipping Name: Adhesive NOI

### IATA (Air transport)

Proper Shipping Name: Adhesive NOI

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## Section 15 - Regulatory Information

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Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)  
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

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**The following lists hazardous components and the regulatory lists for which they are required to be reported.**

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**Component:** 2,4,6 Tri(dimethylaminomethyl) Phenol

**CAS:** 90-72-2

**Amount:** 5 - 10%

2,4,6 Tri(dimethylaminomethyl) Phenol is on the California Prop 65 Cancer list.

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**Component:** Cellulose Fiber

**CAS:** 65996-61-4

**Amount:** 1 - 5%

Cellulose Fiber is listed with Pennsylvania Right to Know.

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**Component:** DiVinyl Benzene

**CAS:** 1321-74-0

**Amount:** 1 - 5%

DiVinyl Benzene is listed with Massachusetts Right to Know.

DiVinyl Benzene is listed with Pennsylvania Right to Know.

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**Component:** Mercaptan-terminated polymer

**CAS:** Proprietary

**Amount:** 50 - 60%

Mercaptan-terminated polymer is listed with New Jersey Right to Know.

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**Component:** Talc

**CAS:** 14807-96-6

**Amount:** 20 - 30%

Talc is listed with the Illinois toxic substances disclosure to employee act.

Talc is listed with Minnesota Right to Know.

Talc is listed with Pennsylvania Right to Know.

Talc is listed with Rhode Island Right to Know.

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**Component:** Titanium Dioxide

**CAS:** 13463-67-7

**Amount:** 1 - 5%

Titanium Dioxide is listed with the Illinois toxic substances disclosure to employee act.

Titanium Dioxide is listed with Massachusetts Right to Know.

Titanium Dioxide is listed with Minnesota Right to Know.

Titanium Dioxide is listed with New Jersey Right to Know.

Titanium Dioxide is listed with Pennsylvania Right to Know.

Titanium Dioxide is listed with Rhode Island Right to Know.

is listed with the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.

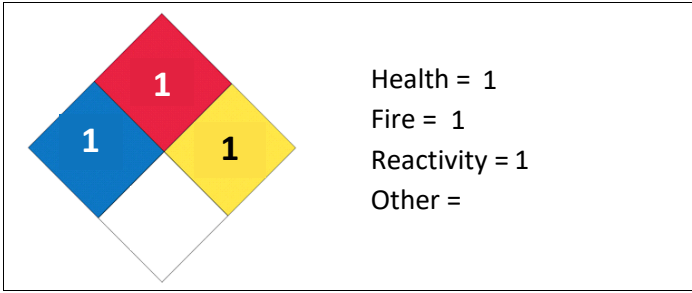
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#### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>1</b>	Health = 1
<b>FIRE</b>	<b>1</b>	Fire = 1
<b>PHYSICAL</b>	<b>1</b>	Physical = 1
<b>PERSONAL PROTECTION</b>	<b>E</b>	Personal Protection = E

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## NFPA Ratings



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## Section 16 - Other Information

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### Legend

ACGIH	American Conference of Governmental Hygienists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MAK	Maximum Allowable Concentration (German)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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## DISCLAIMER

This Safety Data Sheet (SDS) is prepared in compliance with GHS Hazcom 2012. The information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty or merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of this data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material is furnished on the condition that the person receiving it shall make his/her own determination as to the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2022-08-25

## Section 1 - Product and Company Information

**Product Name:** SMC Hardset Filler (B-Side) - cartridge

**Product Part Number(s):** 2020-CB,

**Recommended Use:** Epoxy based filler for plastic bumpers.

**COMPANY IDENTIFICATION:**

Polyvance  
1128 Kirk Rd.  
Rainsville, AL 35986

**Information email:** info@polyvance.com

**EMERGENCY TELEPHONE NUMBER:**

**24 Hour Emergency contact:** Chemtrec: 1-800-424-9300  
Outside US: 703-527-3887

**Customer Information Number:** 256-638-4103 (7AM - 4PM (CST) M-F)

## Section 2 - Hazards Identification

**Appearance:** Black, high-viscosity liquid

**Odor:** Slight ether odor

**Hazard Statement:**

May be harmful if swallowed. Causes skin irritation. Causes eye irritation.

**Signal Word:** Not Applicable

**Signal Word Hazard:** Not Applicable

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

### GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H303	May be harmful if swallowed
Health	H315	Causes skin irritation
Health	H320	Causes eye irritation

**Precautionary Statement:**

Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
General	P102	Keep out of reach of children
General	P103	Read label before use
Prevention	P262	Do not get in eyes, on skin, or on clothing



## Potential Health Effects

<b>Eye Contact:</b>	Skin: Slightly irritating, prolonged exposure may cause allergic reaction in susceptible individuals. Eye: Mildly irritating.
<b>Skin Absorption:</b>	Redness, allergic reaction, eczema, or other skin condition.
<b>Inhalation:</b>	Inhalation of unreacted product may result in irritation of nose, throat and respiratory tract. Dust generated during finishing procedures with the hardened product may cause coughing, shortness of breath and pneumonia.
<b>Ingestion:</b>	Slightly toxic. May cause irritation of mouth, throat, and gastrointestinal irritation.

## Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Epoxy Resin (Phenol-Formaldehyde Polymer Gly	28064-14-4			40 - 45%
Aliphatic Petroleum Naphthas	64742-89-8			1 - 5%
Calcium Carbonate	471-34-1			45 - 50%
Fumed Silica	112945-52-5			1 - 5%
Cellulose Fiber	65996-61-4			1 - 5%
p-(2,3-epoxy propoxy)-M, N-bis (2,3-epoxypropy	5026-74-4			5 - 10%

## Section 4 - First Aid Measures

<b>Eye Contact:</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>Skin Contact:</b>	Wash with soap and water and rinse thoroughly.
<b>Medical Conditions Aggravated by Exposure:</b>	Skin and respiratory tract irritation. Breathing difficulties.

## Section 5 - Firefighting Measures

<b>Extinguishing Media:</b>	Foam, alcohol foam, CO2, Dry chemical
<b>Unusual Fire or Explosion Hazards:</b>	None
<b>Fire Fighting Procedures:</b>	For larger fires, use self-contained breathing apparatus

## Section 6 - Accidental Release Measures

<b>Methods For Clean Up:</b>	Soak up with absorbent material and place in a ventilated waste container for proper disposal.
<b>Methods for Containment:</b>	Dispose of in an approved chemical waste landfill or incinerate in accordance with applicable federal, local, and state regulations. Do not contaminate lakes, streams, or other water supplies.

## Section 7 - Handling and Storage

<b>General Handling Practices:</b>	Keep out of reach of children. Keep tightly closed. Smoking, eating, and drinking should be prohibited where there is potential exposure to toxic materials. For professional use only. Not intended for sale to the general public.
<b>Storage Requirements:</b>	Store in a cool, dry, well ventilated place. Keep tightly closed to prevent leakage and retain activity. Store away from open flames. Prevent skin and eye contact with appropriate clothing

and safety glasses.

## Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
Aliphatic Petroleum Naphthas	OSHA	PEL	400 ppm	STEL
Aliphatic Petroleum Naphthas	ACGIH	TLV	300 ppm	TWA
Aliphatic Petroleum Naphthas	OSHA	PEL	300 ppm	TWA
Calcium Carbonate	OSHA			
Calcium Carbonate	OSHA	TWA	5 mg/m3	TWA
Calcium Carbonate	ACGIH	TWA	10 mg/m3	TLV

### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Safety glasses with eye shields.

**Skin Protection:** Rubber or plastic.

**Respiratory Protection:** When used in a confined area, an approved chemical/mechanical filter, designed to remove a combination of particles and vapors should be used. Sanding of the hardened finished material should only be done with adequate ventilation and while using a NIOSH approved dust filter mask.

**Hygienic Measures:** Wash hands before eating, drinking, or other types of personal contamination.

**Other Protection Measures:** Wear impervious clothing and boots. Eye wash stations and safety showers should be available.

**Engineering Controls:** Provide sufficient mechanical, general or local exhaust.

**HMIS Personal Protection:** E



## Section 9 - Physical and Chemical Properties

**Appearance:** Black, slight ether odor

**Color:** Black

**Odor:** Slight ether odor

**Odor Threshold:** Not determined

**pH:** Not determined

**Melting Point:** Not available

**Freezing Point:** Not available

Not available

**Boiling Range:** Not available

**Flash Point:** 65 C (150 F)

**Evaporation Rate:** Not available

**Flammability:** Not available

**Upper Flammability Limit:** 6

**Lower Flammability Limit:** 0.9

**Vapor Pressure:** Not available

**Vapor Density:** Heavier than air

**Specific Gravity:** 1.6

**Solubility in Water:** Slight  
**Partition Coefficient:** Not available  
**Autoignition Temperature:** Not available  
**Decomposition Temperature:** Not available  
**Viscosity:** Not available

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## Section 10 - Stability and Reactivity

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**Chemical Stability:** Stable  
**Conditions to Avoid:** Extreme heat, open flame  
**Incompatible Materials:** Strong acids strong oxidizing agents, strong bases, and mercaptans.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, phenols, hydrogen chloride, and oxides of nitrogen  
**Hazardous Polymerization:** Will Occur

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** Not available  
**Skin Absorption:** Not available  
**Inhalation:** Not available  
**Sensitization:** Not available  
**Acute Dose:** Not available  
**Repeated Dose:** Not available  
**Carcinogenicity:** Not available  
**Corrosivity:** Not available  
**Neurological:** Not available  
**Reproductive:** Not available  
**Genetic:** Not available  
**Developmental:** Not available  
**Eye Irritation:** Not available  
**Skin Irritation:** Not available  
**Target Organs:** Not available

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## Section 12 - Ecological Information

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**EcoToxicity:** Not Available  
**Persistence/Degradability:** Not available  
**Bioaccumulation:** Not available  
**Mobility / Partitioning:** Not available  
**Other Adverse Effects:** Not available

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## Section 13 - Disposal Considerations

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**Disposal Method:** Dispose of in an approved chemical waste landfill or incinerate in accordance with applicable federal, local, and state regulations. Do not contaminate lakes, streams, or other water supplies.  
**Container Disposal:** Disposal must be made according to official regulations.

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## Section 14 - Transport Information

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## **DOT**

**Proper Shipping Name:** Adhesive NOI

## **IMDG (Maritime transport)**

**Proper Shipping Name:** Adhesive NOI

## **IATA (Air transport)**

**Proper Shipping Name:** Adhesive NOI

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## **Section 15 - Regulatory Information**

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Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)  
Sections 311 and 312

Immediate (Acute) Health Hazard:	No
Delayed (Chronic) Health Hazard:	Yes
Fire Hazard:	Yes
Reactive Hazard:	Not available
Sudden Release of Pressure:	Not available

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**The following lists hazardous components and the regulatory lists for which they are required to be reported.**

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**Component:** Calcium Carbonate

**CAS:** 471-34-1

**Amount:** 45 - 50%

Calcium Carbonate is listed with New Jersey Right to Know.

Calcium Carbonate is listed with Pennsylvania Right to Know.

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**Component:** Cellulose Fiber

**CAS:** 65996-61-4

**Amount:** 1 - 5%

Cellulose Fiber is listed with Pennsylvania Right to Know.

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**Component:** Fumed Silica

**CAS:** 112945-52-5

**Amount:** 1 - 5%

Fumed Silica is listed with New Jersey Right to Know.

Fumed Silica is listed with Pennsylvania Right to Know.

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**Component:** p-(2,3-epoxy propoxy)-M, N-bis (2,3-epoxypropyl) aniline

**CAS:** 5026-74-4

**Amount:** 5 - 10%

p-(2,3-epoxy propoxy)-M, N-bis (2,3-epoxypropyl) aniline is listed with New Jersey Right to Know.

p-(2,3-epoxy propoxy)-M, N-bis (2,3-epoxypropyl) aniline is listed with Pennsylvania Right to Know.

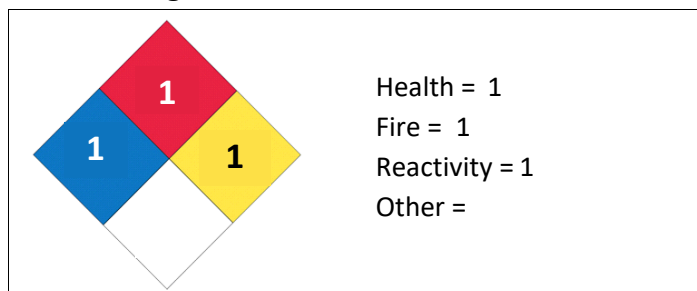
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#### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>1</b>	Health = 1
<b>FIRE</b>	<b>1</b>	Fire = 1
<b>PHYSICAL</b>	<b>1</b>	Physical = 1
<b>PERSONAL PROTECTION</b>	<b>E</b>	Personal Protection = E

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#### NFPA Ratings



## Section 16 - Other Information

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### Legend

ACGIH	American Conference of Governmental Hygenists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer

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MAK	Maximum Allowable Concentration (German)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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## **DISCLAIMER**

This Safety Data Sheet (SDS) is prepared in compliance with GHS Hazcom 2012. The information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty or merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of this data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material is furnished on the condition that the person receiving it shall make his/her own determination as the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.