



# Material Safety Data Sheet

Print Date 05-May-2011

Revision Date 05-May-2011

Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Common name** SERIES 22 PART A  
**Product code** F022-1218A  
**Trade name** EPOXOLINE LIGHT BLUE  
**Product Class** MODIFIED POLYAMINE PAINT

**Manufacturer** TNE MEC Company, Inc.  
123 West 23rd Avenue  
North Kansas City, MO 64116-3064  
816-474-3400

**Emergency telephone** 800-535-5053 (INFOTRAC) - TNE MEC REGULATORY DEPT: 816-474-3400

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### CAUTION

CORROSIVE.  
CAUSES SKIN AND EYE BURNS.  
HARMFUL OR FATAL IF SWALLOWED.  
HARMFUL IF INHALED.  
MAY CAUSE ALLERGIC SKIN REACTION; EFFECTS MAY BE PERMANENT.  
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.  
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.

#### Potential health effects

**Principle Routes of Exposure** Eye contact, Inhalation, Skin contact.

#### Acute effects

**Eyes** Causes burns.  
**Skin** Causes burns. May cause sensitization by skin contact.  
**Inhalation** Harmful by inhalation. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.  
**Ingestion** May be harmful if swallowed

#### Chronic effects

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** Skin disorders. Respiratory disorders.

**Interactive effects** Use of alcoholic beverages may enhance toxic effects.

**Potential environmental effects** See Section 12 for additional Ecological Information

**Target Organ Effects** Eyes, Lungs, Respiratory system, Skin

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Component	CAS-No	Weight %
1,3-BENZENEDIMETHANAMINE, REACTION PRODUCTS WITH STYRENE	404362-22-7	10 - 30
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	10 - 30
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	10 - 30
SILICON DIOXIDE/ALUMINUM OXIDE	66402-68-4	5 - 10
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	5 - 10
BENZYL ALCOHOL	100-51-6	5 - 10
MICA (RESPIRABLE DUST)	12001-26-2	1 - 5
AMORPHOUS SILICA	7631-86-9	1 - 5
ALUMINUM OXIDES	1344-28-1	1 - 5
ISOPROPANOL	67-63-0	0.1 - 1
ALUMINUM SILICATE (TOTAL DUST)	1332-58-7	0.1 - 1

### 4. FIRST AID MEASURES

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes.

**Skin contact:** Wash off immediately with soap and plenty of water.

**Ingestion:** If swallowed, do not induce vomiting. Get medical attention immediately.

**Inhalation:** Move to fresh air. Oxygen or artificial respiration if needed.

### 5. FIRE-FIGHTING MEASURES

**Flammable properties** No information available

**Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam, carbon dioxide, and dry chemical.

**Hazardous decomposition products** Oxides of carbon, hydrocarbons. Oxides of nitrogen. Ammonia. Nitric acid, nitrosamine. Ketones. Aldehydes. Phenolics.

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.

#### Protective equipment and precautions for firefighters

Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. May cause heat and pressure build-up in closed containers.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up**

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**Other information**

Not applicable

**7. HANDLING AND STORAGE**

**Handling**

Close container after each use. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

**Storage**

Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	ACGIH TLV	OSHA PEL	Quebec TWAEV	Ontario TWAEV	Mexico OEL (TWA)
TITANIUM DIOXIDE (TOTAL DUST)	: 10 mg/m <sup>3</sup> TWA	: 10 mg/m <sup>3</sup> TWA (total dust) : 15 mg/m <sup>3</sup> TWA (total dust)	TWA: 10 mg/m <sup>3</sup> TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	TWA: 10 mg/m <sup>3</sup> TWA (total dust)	: 10 mg/m <sup>3</sup> TWA (as Ti) : 20 mg/m <sup>3</sup> STEL (as Ti)
CRYSTALLINE SILICA (QUARTZ)	: 0.025 mg/m <sup>3</sup> TWA (respirable fraction)	: 0.1 mg/m <sup>3</sup> TWA (respirable dust)	TWA: 0.1 mg/m <sup>3</sup> TWAEV (respirable dust)	TWA: 0.10 mg/m <sup>3</sup> TWA (designated substance regulation, respirable)	: 0.1 mg/m <sup>3</sup> TWA (respirable fraction)
SILICON DIOXIDE/ALUMINUM OXIDE	: 5 mg/m <sup>3</sup> TWA (as Zr) : 0.2 mg/m <sup>3</sup> TWA (as Mn)		TWA: 5 mg/m <sup>3</sup> TWAEV (as Zr) STEL: 10 mg/m <sup>3</sup> STEV (as Zr)	TWA: 5 mg/m <sup>3</sup> TWA (as Zr) TWA: 0.5 fibre/cm <sup>3</sup> TWA (length>5 microns, aspect ratio>= 3.1, respirable) TWA: 0.2 mg/m <sup>3</sup> TWA (as Mn) STEL: 10 mg/m <sup>3</sup> STEL (as Zr)	: 5 mg/m <sup>3</sup> TWA (as Zr) : 0.2 mg/m <sup>3</sup> TWA (as Mn) : 10 mg/m <sup>3</sup> STEL (as Zr)
CRYSTALLINE SILICA (QUARTZ)	: 0.025 mg/m <sup>3</sup> TWA (respirable fraction)	: 0.1 mg/m <sup>3</sup> TWA (respirable dust)	TWA: 0.1 mg/m <sup>3</sup> TWAEV (respirable dust)	TWA: 0.10 mg/m <sup>3</sup> TWA (designated substance regulation, respirable)	: 0.1 mg/m <sup>3</sup> TWA (respirable fraction)
MICA (RESPIRABLE DUST)	: 3 mg/m <sup>3</sup> TWA (respirable fraction)	: 3 mg/m <sup>3</sup> TWA (<1% Crystalline silica, respirable dust)	TWA: 3 mg/m <sup>3</sup> TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)	TWA: 3 mg/m <sup>3</sup> TWA (respirable)	: 3 mg/m <sup>3</sup> TWA (respirable fraction)
ALUMINUM OXIDES	TWA: 1 mg/m <sup>3</sup>	: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction) : 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	TWA: 10 mg/m <sup>3</sup> TWAEV (total dust, containing no asbestos and less than 1% crystalline silica, as Al)	TWA: 10 mg/m <sup>3</sup>	: 10 mg/m <sup>3</sup> TWA
ISOPROPANOL	: 200 ppm TWA : 400 ppm STEL	: 400 ppm TWA; 980 mg/m <sup>3</sup> TWA : 500 ppm STEL; 1225 mg/m <sup>3</sup> STEL	TWA: 400 ppm TWAEV; 985 mg/m <sup>3</sup> TWAEV STEL: 500 ppm STEV; 1230 mg/m <sup>3</sup> STEV	TWA: 200 ppm TWA STEL: 400 ppm STEL	: 400 ppm TWA; 980 mg/m <sup>3</sup> TWA : 500 ppm STEL; 1225 mg/m <sup>3</sup> STEL
ALUMINUM SILICATE (TOTAL DUST)	: 2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction) : 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	TWA: 5 mg/m <sup>3</sup> TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)	TWA: 2 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Crystalline silica, respirable)	: 10 mg/m <sup>3</sup> TWA : 20 mg/m <sup>3</sup> STEL

**Engineering measures**                      Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment**

**Skin protection**                              Lightweight protective clothing, Apron, Impervious gloves  
**Eye/face protection**                        Goggles. If splashes are likely to occur, wear face-shield.  
**Respiratory protection**                      **Use only with adequate ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.  
**General hygiene considerations**                      Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Flash point**    93°C / 200.0°F  
**Boiling range**                                        No information available  
**Upper explosion limit**                            No information available  
**Lower explosion limit**                            No information available  
**Evaporation rate**                                    No information available  
**Vapor pressure**                                      No information available  
**Vapor density**                                        No information available  
**Specific Gravity**                                    1.57133 g/cm3  
**Density**    13.07583 lbs/gal  
**Volatile organic compounds (VOC) content**                      .157 lbs/gal  
**Volatile by weight**                                1.2020 %  
**Volatile by volume**                                2.0696 %

**10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	Stable.	<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible products</b>	Strong oxidizing agents. Bases. Acids.	<b>Possibility of hazardous reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Component Information**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
TITANIUM DIOXIDE (TOTAL DUST)	10000 mg/kg ( Rat )		
CRYSTALLINE SILICA (QUARTZ)	500 mg/kg ( Rat )		
CRYSTALLINE SILICA (QUARTZ)	500 mg/kg ( Rat )		
BENZYL ALCOHOL	1230 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	8.8 mg/L ( Rat ) 4 h
AMORPHOUS SILICA	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.2 mg/L ( Rat ) 1 h
ALUMINUM OXIDES	5000 mg/kg ( Rat )		
ISOPROPANOL	4396 mg/kg ( Rat )	12800 mg/kg ( Rat ) 12870 mg/kg ( Rabbit )	72.6 mg/L ( Rat ) 4 h

**Irritation**    No information available  
**Corrosivity**                                        No information available  
**Sensitization**                                      No information available

**Chronic toxicity**

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	ACGIH	IARC	NTP	OSHA	Mexico
TITANIUM DIOXIDE (TOTAL DUST)		Group 2B		X	
CRYSTALLINE SILICA (QUARTZ)	A2	Group 1	Known	X	
CRYSTALLINE SILICA (QUARTZ)	A2	Group 1	Known	X	
ISOPROPANOL		Group 1			

**Mutagenicity**

No information available

**Reproductive effects**

No information available

**Developmental effects**

No information available

**Teratogenicity**

No information available

**Target Organ Effects**

Eyes, Lungs, Respiratory system, Skin.

**Endocrine Disruptor Information**

No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Component	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia
BENZYL ALCOHOL	EC50 = 35 mg/L 3 h	LC50= 10 mg/L Lepomis macrochirus 96 h LC50= 460 mg/L Pimephales promelas 96 h	EC50 = 63.7 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 71.4 mg/L 30 min EC50 = 50 mg/L 5 min	EC50 = 23 mg/L 48 h
AMORPHOUS SILICA	EC50 = 440 mg/L 72 h	LC50= 5000 mg/L Brachydanio rerio 96 h		EC50 = 7600 mg/L 48 h
ISOPROPANOL	EC50 > 1000 mg/L 96 h EC50 > 1000 mg/L 72 h	LC50= 11130 mg/L Pimephales promelas 96 h LC50= 9640 mg/L Pimephales promelas 96 h LC50> 1400000 µg/L Lepomis macrochirus 96 h	EC50 = 35390 mg/L 5 min	EC50 = 13299 mg/L 48 h

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal

**14. TRANSPORT INFORMATION**

**DOT**

Ground Transportation Only. Call TNEMEC Traffic Department - 816-474-3400 for other modes of Transportation.

**Proper shipping name**

UN3066, PAINT, 8, PGII, ERG 153

15. REGULATORY INFORMATION

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not Comply
CHINA	Complies
ENCS	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

**United States of America Federal Regulations**

**SARA 313**

Component	CAS-No	Weight %	SARA 313 - Threshold Values
SILICON DIOXIDE/ALUMINUM OXIDE	66402-68-4	5 - 10	1.0 % de minimis concentration (does not include Barium sulfate CAS 7727-43-7, Chemical Category N040) 1.0 % de minimis concentration (Chemical Category N982)
ALUMINUM OXIDES	1344-28-1	1 - 5	1.0 % de minimis concentration (fibrous forms)
ISOPROPANOL	67-63-0	0.1 - 1	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

**SARA 311/312 Hazardous Categorization**

Chronic Health Hazard	yes
Acute Health Hazard	yes
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
SILICON DIOXIDE/ALUMINUM OXIDE		X		

**CERCLA**

**United States of America State Regulations**

**California Prop. 65**

This product contains the following Proposition 65 chemicals:

Component	CAS-No	California Prop. 65
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	Carcinogen
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	Carcinogen

**State Right-to-Know**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TITANIUM DIOXIDE (TOTAL DUST)	X	X	X		X
CRYSTALLINE SILICA (QUARTZ)	X	X	X		X
SILICON DIOXIDE/ALUMINUM OXIDE		X	X		X
CRYSTALLINE SILICA (QUARTZ)	X	X	X		X
BENZYL ALCOHOL	X		X		
MICA (RESPIRABLE DUST)	X	X	X		X
AMORPHOUS SILICA	X		X		
ALUMINUM OXIDES	X	X	X		X
ISOPROPANOL	X	X	X		X
ALUMINUM SILICATE (TOTAL DUST)	X	X	X		X

**Other international regulations**

**Canada**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**WHMIS Classification**

D2A Very toxic materials

E Corrosive material



Component	NPRI
ALUMINUM OXIDES	Part 1, Group 1 Substance (fibrous form)
ISOPROPANOL	Part 1, Group 1 Substance; Part 5 Substance

**16. OTHER INFORMATION**

Revision Date 05-May-2011

Revision Note No information available

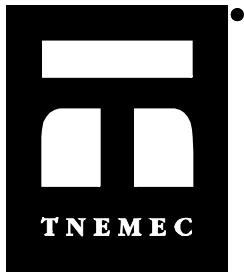
HMIS (Hazardous Material Information System) Health 3 Flammability 1 Reactivity 1

**Disclaimer**

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of MSDS**



# Material Safety Data Sheet

Print Date 05-May-2011

Revision Date 05-May-2011

Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Common name</b>	SERIES 22 PART B
<b>Product code</b>	F022-0000B
<b>Trade name</b>	EPOXOLINE CLEAR
<b>Product Class</b>	EPOXY PAINT
<b>Manufacturer</b>	Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372
<b>Emergency telephone</b>	800-535-5053 (INFOTRAC) - TNE MEC REGULATORY DEPT: 816-474-3400

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### DANGER!

HARMFUL OR FATAL IF SWALLOWED.  
HARMFUL IF INHALED.  
MAY CAUSE ALLERGIC SKIN REACTION; EFFECTS MAY BE PERMANENT.  
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.  
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

#### Potential health effects

**Principle Routes of Exposure** Eye contact, Inhalation, Skin contact.

#### Acute effects

<b>Eyes</b>	Moderately irritating to the eyes.
<b>Skin</b>	Irritating to skin. May cause sensitization by skin contact.
<b>Inhalation</b>	Irritating to respiratory system. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.
<b>Ingestion</b>	May be harmful if swallowed.

#### Chronic effects

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Cancer hazard. Contains crystalline silica which can cause cancer. (Risk of cancer depends on duration and level of exposure).

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** Respiratory disorders.

**Interactive effects** Use of alcoholic beverages may enhance toxic effects.

**Potential environmental effects** See Section 12 for additional Ecological Information

**Target Organ Effects** Eyes, Lungs, Respiratory system

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 4. FIRST AID MEASURES

<b>Eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Get medical attention immediately.
<b>Inhalation:</b>	Move to fresh air. Oxygen or artificial respiration if needed.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable properties</b>	No information available
<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Contact with water may cause violent frothing. Use: Carbon dioxide (CO <sub>2</sub> ) - Foam - Dry chemical
<b>Hazardous decomposition products</b>	Oxides of carbon, hydrocarbons. Aldehydes. Oxides of nitrogen. Hydrogen cyanide. Silicon.
<b>Specific hazards arising from the chemical</b>	Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.
<b>Protective equipment and precautions for firefighters</b>	Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. May cause heat and pressure build-up in closed containers.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.
<b>Other information</b>	Not applicable

### 7. HANDLING AND STORAGE

**Handling**

Close container after each use. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

**Storage**

Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

**Engineering measures**                      Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment**

**Skin protection**                              Lightweight protective clothing, Apron, Impervious gloves  
**Eye/face protection**                        If splashes are likely to occur, wear Goggles.  
**Respiratory protection**                      **Use only with adequate ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.  
**General hygiene considerations**                      Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash point</b>	93°C / 200.0°F
<b>Boiling range</b>	No information available
<b>Upper explosion limit</b>	No information available
<b>Lower explosion limit</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	1.48385 g/cm3
<b>Density</b>	12.34782 lbs/gal
<b>Volatile organic compounds (VOC) content</b>	.026 lbs/gal
<b>Volatile by weight</b>	.2060 %
<b>Volatile by volume</b>	.3037 %

**10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	Stable.	<b>Conditions to avoid</b>	Heat, flames and sparks. Amines. Contact with water liberates toxic gas (methanol).
<b>Incompatible products</b>	Strong oxidizing agents. Bases. Acids. Amines.	<b>Possibility of hazardous reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Component Information**

<b>Irritation</b>	No information available
<b>Corrosivity</b>	No information available
<b>Sensitization</b>	No information available

**Chronic toxicity**

**Carcinogenicity**                              The table below indicates whether each agency has listed any ingredient as a carcinogen

**11. TOXICOLOGICAL INFORMATION**

<b>Mutagenicity</b>	No information available
<b>Reproductive effects</b>	No information available
<b>Developmental effects</b>	No information available
<b>Teratogenicity</b>	No information available
<b>Target Organ Effects</b>	Eyes, Lungs, Respiratory system.
<b>Endocrine Disruptor Information</b>	No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

**13. DISPOSAL CONSIDERATIONS**

<b>Waste disposal methods</b>	Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.
<b>Contaminated packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal

**14. TRANSPORT INFORMATION**

<b>DOT</b>	Ground Transportation Only. Call TNEMEC Traffic Department - 816-474-3400 for other modes of Transportation.
<b>Proper shipping name</b>	PAINT IN OIL

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Does not Comply
<b>EINECS/ELINCS</b>	Does not Comply
<b>CHINA</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>PICCS</b>	Does not Comply
<b>AICS</b>	Does not Comply

**United States of America Federal Regulations**

**SARA 313**

**SARA 311/312 Hazardous Categorization**

<b>Chronic Health Hazard</b>	yes
<b>Acute Health Hazard</b>	yes
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no

Reactive Hazard

no

**CERCLA****United States of America State Regulations****California Prop. 65**

This product contains the following Proposition 65 chemicals:

**State Right-to-Know****Other international regulations****Canada**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**WHMIS Classification**

Non-controlled

16. OTHER INFORMATION
-----------------------

Revision Date 05-May-2011

Revision Note No information available

<b>HMIS (Hazardous Material Information System)</b>	<b>Health 2</b>	<b>Flammability 1</b>	<b>Reactivity 1</b>
---	-----------------	-----------------------	---------------------

**Disclaimer**

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of MSDS**