

## 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

**Name:** Epoxy MS-907 XPlus Part A  
Two Part Adhesive

**Product Use:** Resin part of a two-part adhesive

### **MANUFACTURER/DISTRIBUTOR:**

**Miller-Stephenson Chemical**  
55 Backus Ave.  
Danbury, Conn. 06810 USA  
(203) 743-4447

**Emergency Phone Number:**  
(800) 424-9300

## 2. HAZARDS IDENTIFICATION

### **Hazard classification**

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 1

Skin Sensitization: Category 1

Hazardous to the aquatic environment, acute hazard: Category 2

Hazardous to the aquatic environment, long-term hazard: Category 2

### **Label elements:**

#### **Signal word**

Danger

#### **Pictograms**



#### **Hazard Statements**

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Cause serious eye damage.

H401 - Toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

#### **Precautionary Statements**

##### **Prevention:**

P261 - Avoid breathing dust, fumes, vapors, mist.

P264 - Wash hands thoroughly after handling.

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

P273 - Avoid release to the environment.

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

**Response:**

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.

P310 - Immediately call a POISON CENTER or physician.

P333+313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P501 - Dispose of the contents and/or container according to local, regional, national, and international regulations.

**Other hazards**

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

**3. INGREDIENTS**

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-,homopolymer	25085-99-8	40 – 70
Trade Secret 1*		10 – 30
Limestone	1317-65-3	10 – 30
Trade Secret 2*		3 – 7
Titanium dioxide	13463-67-7	<= 3

\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

**4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air and ventilate area. Get medical attention if breathing is difficult.

**Eye:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Skin:** Remove contaminated clothing. Obtain medical attention if irritation/rash develops or persists. Immediately drench affected area with water for at least 15 minutes.

**Oral:** Rinse mouth. Do NOT induce vomiting. Get medical attention.

**Most important symptoms/effects, acute and delayed:**

Skin sensitization. Causes skin irritation. Causes serious eye damage.

**Eye contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Inhalation:** Inhalation of fumes or vapors may cause respiratory irritation.

**Skin contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:** If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container and label at hand.

## 5. FIRE FIGHTING MEASURES

**Flash Point:** Not Available

**Autoignition Temperature:** Not Available

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable extinguishing media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**Special hazards:** Not considered flammable but may burn at high temperatures. Not explosive. Hazardous reactions will not occur under normal conditions.

**Hazardous thermal decomposition products:** Carbon dioxide, Carbon monoxide, Titanium oxides, Silica compounds, Calcium oxides.

**Special Fire Fighting Instruction:** Use water spray or fog for cooling exposed containers. Do not enter fire area without proper equipment, including respiratory protection. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions & Protective equipment:** Do not get in eyes, on skin, or on clothing. Do not breathe dust, fumes, vapor, or mist. Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel. 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.

**Environmental precautions:** Prevent product from entering drains, sewers or open waters. Inform the authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Collect spillage.

**Clean-up methods:** Ensure adequate ventilation. Wear appropriate personal protective equipment. Clean up spills immediately. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Store container until ready for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Do not get in eyes, on skin, or on clothing.

**Conditions for safe storage:** Store in accordance with applicable regulations. Store in original container protected from sunlight in a dry, cool, well ventilated area away from incompatible materials (strong acids, strong bases, strong oxidizers), food and drink. Keep container tightly closed until ready for use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits (TWA):

Titanium dioxide

Limestone

### TLV (ACGIH)

10 mg/m<sup>3</sup> (TWA)

Not established

### PEL (OSHA)

15 mg/m<sup>3</sup> (TWA) (total dust)

15 mg/m<sup>3</sup> (TWA) (total dust)

**Engineering controls:** Use local exhaust ventilation to maintain adequate ventilation.

**Hygiene measures:** Wash hands, and face thoroughly after handling and before eating, smoking, and using the lavatory and at the end of work. Ensure the eyewash stations and safety showers are close to the workstation location.

**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.

**Skin protection:** Chemical resistant, impermeable gloves. The breakthrough of any glove material may be different for different glove manufacturers. The protective time of the gloves cannot be accurately estimated. Personal protective clothing for the body should be selected based on the task being performed and the risks involved.

**Eye/face protection:** Safety goggles or safety glasses with side shields.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** Not available

**VOC:** See section 9 of Part B for VOC Content

**Relative Density:** Not available

**Vapor Pressure (mmHg):** Not available

**Vapor Density (Air=1):** Not available

**Solubility in H<sub>2</sub>O:** Not available

**pH Information:** Not available

**Evaporation Rate:** Not available

**Form:** Paste

**Appearance:** Viscous white paste

**Color:** White

**Odor:** Not available

## 10. STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Hazardous reactions:** Hazardous reactions will not occur.

**Hazardous decomposition products:** Does not decompose.

**Incompatibility Materials:** Strong acids, strong bases, strong oxidizers.

**Conditions to avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Trade Secret 1

**Oral Acute Toxicity:** LD50: 1134mg/kg in Rat

**Acute Toxicity Estimate (Dermal):** 1,100.00 mg/kg body weight

**Acute Toxicity Estimate (Gases):** 4,500.00 ppmV/4h

**Acute Toxicity Estimate (Vapors):** 11.00 mg/l/4h

**Acute Toxicity Estimate (Dust/Mist):** 1.05 mg/l/4h

**Titanium dioxide**

**Oral Acute Toxicity:** LD50: >10000 mg/kg

**Carcinogenicity:** IARC group: 2B

**OSHA Hazard Communication Carcinogen List:** On OSHA Hazard Communication Carcinogen list.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Irritation/ Eye Irritation:** Causes serious eye damage.

**Respiratory or Skin sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**STOT-single exposure:** Not classified

**STOT-repeated exposure:** Not classified

**Aspiration toxicity:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic reaction. Redness, pain, swelling, itching, burning, dryness and dermatitis.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to cornea, iris, or conjunctiva.

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

**Chronic Symptoms:** None expected under normal conditions of use.

**12. ECOLOGICAL INFORMATION**

**General:** Toxic to aquatic life. Harmful to aquatic effects with long lasting effects.

**Trade Secret 1**

**LC50 Fish:** 13mg/l

**NOEC Chronic Algae:** 29 mg/l

**Persistence and degradability:** May cause long-term adverse effects in the environment.

**Bioaccumulative potential:** Not established.

**Mobility in Soil:** Not available.

**Other Adverse Effects:** Avoid release to the environment.

**13. DISPOSAL CONSIDERATIONS**

Dispose of contents/container in accordance with local, regional, national, and international regulations. Container may remain hazardous when empty. Continue to observe all precautions. Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**14. TRANSPORT INFORMATION**

**U.S. DOT**

**Limited Quantity**

### IATA

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUSBTANCE, SOLID, N.O.S. (Oxiranes)

**Hazard Class:** 9

**Identification No.** UN3077

**Packing Group:** III

### IMDG

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUSBTANCE, SOLID, N.O.S. (Oxiranes)

**Hazard Class:** 9

**Identification No.** UN3077

**Packing Group:** III

**Marine Pollutant:** Yes

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

**TSCA:** All ingredients are listed in TSCA inventory.

**SARA Section 311/312 Hazard Classes:**

Health hazard: Respiratory or skin sensitization

Health hazard: Skin corrosion or Irritation

Health hazard: Serious eye damage or eye irritation

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D):** Not regulated

**SARA 313 (TRI reporting):** Not regulated

**California Proposition 65:** This product contains a chemical (Titanium dioxide) known to the State of California to cause cancer. For more information go to [www. P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. OTHER INFORMATION

### FOR INDUSTRIAL USE ONLY

**REVISION DATE:** AUGUST 7, 2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

## 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

**Name:** Epoxy MS-907 XPlus Part B  
Two Part Adhesive

**Product Use:** Hardener part of a two-part adhesive

### **MANUFACTURER/DISTRIBUTOR:**

**Miller-Stephenson Chemical**  
55 Backus Ave.  
Danbury, Conn. 06810 USA  
(203) 743-4447

**Emergency Phone Number:**  
(800) 424-9300

## 2. HAZARDS IDENTIFICATION

### **Hazard classification**

Skin Corrosion/Irritation: Category 1C

Serious Eye Damage/Eye Irritation: Category 1

Skin Sensitization: Category 1

Hazardous to the aquatic environment, long-term hazard: Category 2

### **Label elements:**

#### **Signal word**

Danger

#### **Pictograms**



### **Hazard Statements**

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H318 - Cause serious eye damage.

H411 - Toxic to aquatic life with long lasting effects.

### **Precautionary Statements**

#### **Prevention:**

P260 - Do not breathe mist, spray, vapors.

P264 - Wash hands thoroughly after handling.

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, respiratory protection.

#### **Response:**

P301+P303+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep at rest position 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.

P310 - Immediately call a POISON CENTER or doctor/physician.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.  
 P391 - Collect spillage.  
 P501 - Dispose of the contents/container in accordance with local, regional, national and international regulations.

**Other hazards**

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

**3. INGREDIENTS**

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Limestone	1317-65-3	10 – 40
Trade Secret 3*		10 – 30
1,5-Pentanediamine, 2-methyl-	15520-10-2	5 – 20
Trade Secret 4*		5 – 20
2,4,6-Tri(dimethylaminomethyl)phenol	90-72-2	0.1 – 5
Trade Secret 5*		0.1 – 5
Iron oxide (Fe <sub>3</sub> O <sub>4</sub> )	1317-61-9	<= 3
Trade Secret 6*		<= 0.1

\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

**4. FIRST AID MEASURES**

**General:** If you feel unwell, seek medical advice (present the SDS or label when possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call POISON CENTER or doctor/physician.

**Eye:** Immediately flush eyes with plenty of water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Skin:** Immediately remove contaminated clothing. Immediately flush with plenty of water for at least 30 minutes. Get immediate medical advice/attention.

**Oral:** Get medical attention immediately. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything to an unconscious person.

**Most important symptoms/effects, acute and delayed:**

Skin sensitization. Causes severe burns and eye damage.

**Eye contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Inhalation:** May be corrosive to the respiratory tract.

**Skin contact:** May cause an allergic skin reaction. Causes severe irritation which will progress to chemical burns.

**Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** Inhalation of iron oxide fumes undergoing decomposition may cause irritation and flu-like symptoms, otherwise iron oxide is not hazardous.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:** If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container and label at hand.



## 5. FIRE FIGHTING MEASURES

**Flash Point:** Not Available

**Autoignition Temperature:** Not Available

**Flammable Limits in Air, % by Vol.:** Not Available

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable extinguishing media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**Special hazards:** Not considered flammable but may burn at high temperatures. Not explosive. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

**Hazardous thermal decomposition products:** Decomposition products may include the following materials: Carbon dioxide, Carbon monoxide, Nitrogen oxides, Calcium oxides. Iron oxides.

**Special Fire Fighting Instruction:** Wear appropriate protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions & Protective equipment:** Only emergency responders with proper protection are required to deal with the spillage. No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

**Environmental precautions:** Prevent product from entering drains, sewers or open waters. Inform the authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. Maybe harmful to the environment if released in large quantities. Collect spillage.

**Clean-up methods:** Ensure adequate ventilation. Wear appropriate personal protective equipment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or waterways. Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Cautiously neutralize spilled liquid.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** May release corrosive vapors. Do not breathe mist, spray, or vapors. Use the appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not eat, drink or smoke when using this material. Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas. Avoid release to the environment.

**Conditions for safe storage:** Store in accordance with local regulations. Store in original container protected from sunlight in a dry, cool, well-ventilated area away from incompatible materials (Strong acids, strong bases, strong oxides), food and drink. Keep container tightly closed and sealed until ready for use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits (TWA):

Limestone  
Trade Secret 4

### TLV (ACGIH)

Not established  
Not established

### PEL (OSHA)

15 mg/m<sup>3</sup> (TWA) (total dust)  
15 mg/m<sup>3</sup> (TWA) (total dust)

**Engineering controls:** Use local exhaust ventilation to maintain worker exposure below established exposure limits.

**Hygiene measures:** Wash hands, and face thoroughly after handling and before eating, smoking, and using the lavatory and at the end of work. Ensure the eyewash stations and safety showers are close to the workstation location.

**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.

**Skin protection:** Corrosion resistant, impermeable gloves. The protective time of the gloves cannot be accurately estimated. Personal protective clothing (corrosion-proof) for the body should be selected based on the task being performed and the risks involved.

**Eye/face protection:** Safety goggles or safety glasses with side shields.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** Not Available

**VOC:** 17 g/L (tested per EPA CFR 40, Part 60, method 24)

**Relative Density:** Not Available

**Vapor Pressure (mmHg):** Not Available

**Vapor Density (Air=1):** Not Available

**Solubility in H<sub>2</sub>O:** Not Available

**pH Information:** Not Available

**Evaporation Rate (Ether=1):** Not Available

**Form:** Liquid

**Appearance:** Viscous grey liquid

**Color:** Grey

**Odor:** No data available

## 10. STABILITY AND REACTIVITY

**Reactivity:** May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

**Chemical Stability:** Stable under recommended handling and storage conditions.

**Hazardous reactions:** Hazardous polymerization will not occur.

**Hazardous decomposition products:** Thermal decomposition generates: Corrosive vapors.

**Incompatibility:** Strong acids, strong bases, strong oxidizers.

**Conditions to avoid:** Direct sunlight, extremely high or low temperatures and incompatible materials.

## **11. TOXICOLOGICAL INFORMATION**

### **1,5-Pentanediamine, 2-methyl-**

**Oral:** LD50: 1690 mg/kg in rats

**Inhalation:** 1 hour LC50: 2.9 mg/l in rats

**Acute Toxicity Estimate (Gases):** 700.00 ppmV/4h

**Acute Toxicity Estimate (Vapors):** 2.9 mg/l/4h

**Acute Toxicity Estimate (Dust/Mist):** 2.9 mg/l/4h

### **Trade Secret 3**

**Oral:** LD50: 2100 - 6700 mg/kg in rats

**Dermal :** LD50 : > 7940 mg/kg in rabbits

**Inhalation:** 6 hour LC50: > 2.5 mg/l in rats

**Acute Toxicity Estimate (Oral):** 2,200.00 mg/kg body weight

### **Trade Secret 4**

**Carcinogenicity:** IARC group: 2B; NTP Status: Reasonably anticipated to be Human Carcinogen.

### **2,4,6-Tri(dimethylaminomethyl)phenol**

**Oral:** LD50: 1200 mg/kg in rats

**Dermal :** LD50 : 1280 mg/kg in rats

### **Trade Secret 5**

**Oral:** LD50: 1570 mg/kg in rats

**Dermal :** LD50 : 4290 mg/kg in rabbits

**Inhalation:** 4 hour LC50: 7.35 mg/l in rats

**Acute Toxicity Estimate (Dermal):** 4,290.00 mg/kg body weight

### **Trade Secret 6**

**Oral:** LD50: > 7000 mg/kg in rats

**Dermal :** LD50 : > 2000 mg/kg in rabbits

**Inhalation:** 4 hour LC50: > 5.04 mg/l in rats

### **Iron oxide (Fe3O4)**

**Oral:** LD50: > 10000 mg/kg in rats

**Skin Corrosion/Irritation:** Causes severe skin burns.

**Serious Eye Irritation/ Eye Irritation:** Causes serious eye damage.

**Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**STOT-single exposure:** Not classified

**STOT-repeated exposure:** Not classified

**Aspiration toxicity:** Not classified

**Symptoms after inhalation:** May be corrosive to the respiratory tract.

**Symptoms after skin contact:** May cause an allergic skin reaction. Causes severe irritation which will progress to chemical burns.

**Symptoms after eye contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms after ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** Inhalation of iron oxide fumes undergoing decomposition may cause irritation and flu-like symptoms.

## 12. ECOLOGICAL INFORMATION

**2,4,6-Tri(dimethylaminomethyl)phenol**

**ErC50 (Algae):** 84mg/l

**NOEC Chronic Algae:** 6.25 g/l

**Trade Secret 5**

**LC50 Fish (Danio rerio):** 934 mg/l

**EC50 (Daphnia):** 331 mg/l

**ErC50 (Algae-Scenedesmus subspicatus):** 1000 mg/l

**NOEC Chronic (Danio rerio):** 934 gm/l

**NOEC Chronic (Daphnia magna):** 94 mg/l

**Trade Secret 6**

**48 hr EC50 (Daphnia-Mysidopsis bahia):** 2 mg/l

**Iron oxide (Fe3O4)**

**96 hr LC50 (Branchydanio rerio):**  $\geq 10000$  mg/l. Test Method: OECD 203

**Persistence and degradability:** May cause long-term adverse effects in the environment.

**Bioaccumulative potential:** Not established.

**Trade Secret 3: Log Pow:**  $> 4$  (at 22°C)

**Mobility in Soil:** Not available.

**Other adverse effects:** Avoid release to the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local, regional, national, and international regulations. Container may remain hazardous when empty. Continue to observe all precautions. Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## 14. TRANSPORT INFORMATION

**U.S. DOT**

**Limited Quantity**

**IATA**

**Proper Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (2-Methylpentamethylenediamine)

**Hazard Class:** 8

**Identification No.** UN2735

**Packing Group:** III

**IMDG**

**Proper Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (2-Methylpentamethylenediamine)

**Hazard Class:** 8

**Identification No.** UN2735

**Packing Group:** III

**Marine Pollutant:** Yes

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**TSCA:** All ingredients are listed in TSCA inventory.

**SARA Section 311/312 Hazard Classes:**

Health hazard: Respiratory or skin sensitization

Health hazard: Skin corrosion or Irritation

Health hazard: Serious eye damage or eye irritation

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D):** Not regulated

**SARA 313 (TRI reporting):** Not regulated

**16. OTHER INFORMATION**

**FOR INDUSTRIAL USE ONLY**

**REVISION DATE: AUGUST 7, 2023**

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