

## SAFETY DATA SHEET



Date Prepared : 05/10/2016  
 MSDS No : DELAYED SET EPOXY-GHS - RESIN  
 Date-Revised : 12/05/2016  
 Revision No : 8

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** 30MIN DELAYED SET EPOXY (15356, 15251, SY-SS) - RESIN

**MANUFACTURER**

Pacer Technology  
 3281 E. Guasti Rd., Suite 260  
 Ontario, CA 91761  
**Emergency Contact:** CHEMTREC  
**Emergency Phone:** 800-424-9300  
**Alternate Emergency Phone:** 703-527-3887  
**Product Stewardship:** 909-987-0550

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Skin Irritation, Category 2  
 Eye Irritation, Category 2B  
 Skin sensitisation, Category 1B  
 Reproductive Toxicity, Category 2

**GHS LABEL ELEMENTS**

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS**

H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H361: Suspected of damaging fertility or the unborn child.

**PRECAUTIONARY STATEMENT(S)****Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash skin and hands thoroughly after handling.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

## SAFETY DATA SHEET



Date Prepared : 05/10/2016

MSDS No : DELAYED SET EPOXY-GHS - RESIN

Date-Revised : 12/05/2016

Revision No : 8

P362: Take off contaminated clothing.  
 P363: Wash contaminated clothing before reuse.  
 P391: Collect spillage.

**Response:**

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P313: Get medical advice/attention.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

**Storage:**

P403+P235: Store in a well-ventilated place. Keep cool.

**Disposal:**

P501: Dispose of in a manner consistent with federal, state, and local regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Epoxy resin (Bisphenol A)	90 - 100	25068-38-6

**4. FIRST AID MEASURES**

**EYES:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

**INGESTION:** If swallowed, do not induce vomiting. Keep individual calm. Get medical attention and show container label.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Causes eye irritation.

**SKIN:** Irritating to skin. May cause allergic skin reaction with prolonged contact.

**SKIN ABSORPTION:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**INGESTION:** May be irritating. Seek medical advice.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**ACUTE EFFECTS:** Slightly irritating to eyes and respiratory tracts.

**CHRONIC EFFECTS:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** Not Flammable

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustion products may include and are not limited to: Carbon monoxide, carbon

# SAFETY DATA SHEET



Date Prepared : 05/10/2016  
 MSDS No : DELAYED SET EPOXY-GHS - RESIN  
 Date-Revised : 12/05/2016  
 Revision No : 8

dioxide and phenolics.

**FIRE FIGHTING PROCEDURES:** Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Contain spilled material if possible. Absorb with materials such as: Sand. Polypropylene fiber products. Polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent Safety Data Sheet for handling information.

**COMMENTS:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

**HANDLING:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

**STORAGE:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

**STORAGE TEMPERATURE:** Ambient room temperature (70F/21C).

**LOADING TEMPERATURE:** Not Determined

**LOADING/UNLOADING VISCOSITY:** Not Determined

**STORAGE PRESSURE:** Not Determined

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** Wear rubber gloves to avoid prolonged skin contact.

**RESPIRATORY:** Use only in a well ventilated area.

**PROTECTIVE CLOTHING:** Wear rubber gloves & apron.

**WORK HYGIENIC PRACTICES:** Avoid contact with skin and eyes. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## SAFETY DATA SHEET



Date Prepared : 05/10/2016  
 MSDS No : DELAYED SET EPOXY-GHS - RESIN  
 Date-Revised : 12/05/2016  
 Revision No : 8

**PHYSICAL STATE:** Viscous liquid.  
**ODOR:** Mild odor.  
**ODOR THRESHOLD:** No data available  
**APPEARANCE:** Light yellow colored viscous liquid.  
**COLOR:** Light yellow.  
**pH:** No data available  
**PERCENT VOLATILE:** No data available  
**FLASHPOINT AND METHOD:** 264°C (507°F) to 268°C (514°F) CC - Closed Cup  
**AUTOIGNITION TEMPERATURE:** No data available  
**VAPOR PRESSURE:** No data available  
**VAPOR DENSITY:** No data available  
**BOILING POINT:** No data available  
**FREEZING POINT:** No data available  
**MELTING POINT:** No data available  
**POUR POINT:** No data available  
**THERMAL DECOMPOSITION:** No data available  
**SOLUBILITY IN WATER:** 5.4 to 8.4 mg/L at 20°C (68°F)  
**EVAPORATION RATE:** No data available  
**DENSITY:** 1.16 g/cm<sup>3</sup> at 25°C (77°F)  
**SPECIFIC GRAVITY:** 1.16  
**VISCOSITY #1:** 10000 to 20000 mPa. s. at 25°C (77°F)  
**MOLECULAR WEIGHT:** No data available  
**(VOC):** 0 g/L

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur.  
**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Avoid temperatures above (300 ) F (148 ) C.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion (>500F) temperature degradation.  
**INCOMPATIBLE MATERIALS:** Strong acids, oxidizing agents, mineral and organic bases, and especially aliphatic amines.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Epoxy resin (Bisphenol A)	> 2000 mg/kg (rat)	> 2000 mg/kg (rat)

**DERMAL LD<sub>50</sub>:** 23000 mg/kg (rabbit)

## SAFETY DATA SHEET



Date Prepared : 05/10/2016  
 MSDS No : DELAYED SET EPOXY-GHS - RESIN  
 Date-Revised : 12/05/2016  
 Revision No : 8

ORAL LD<sub>50</sub>: > 15000 mL/kg (rat)

**SERIOUS EYE DAMAGE/IRRITATION:** Prolonged or repeated skin contact may cause irritation.

**RESPIRATORY OR SKIN SENSITISATION:** May cause sensitization.

**GERM CELL MUTAGENICITY:**

In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

**CARCINOGENICITY**

**IARC:** Not listed.

**NTP:** Not listed.

**OSHA:** Not listed.

**REPRODUCTIVE TOXICITY:**

In animal studies, did not interfere with reproduction.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Do not flush to sewer.

**ECOTOXICOLOGICAL INFORMATION:** Rainbow trout LC50, semi-static test, 96 h: 2 mg/L; Water flea EC50, static test, 48 h, immobilization: 1.8 mg/L; Bacteria IC50, 18 h: >42.6 mg/L.

**BIOACCUMULATION/ACCUMULATION:** Bioconcentration potential is moderate (BCF 100 to 3000 or Log Pow 3 to 5).

**Notes:** Material is toxic to aquatic organisms (LC50 between 1 and 10 mg/L in the most sensitive species).

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** NOT REGULATED (IP VOL LESS THAN OR EQUAL TO 450.0 L)

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A EPOXY RESIN), 9, III (IP VOL GREATER THAN 450.0 L)

**AIR (ICAO/IATA)**

**SHIPPING NAME:** ID8000, CONSUMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A EPOXY RESIN), 9, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)\*

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A EPOXY RESIN), 9, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)\*

**COMMENTS:** \* This product may be shipped as EXCEPTED QUANTITIES OF CLASS 9, UN3082 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 1.0 L)

The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations,

## SAFETY DATA SHEET



Date Prepared : 05/10/2016  
 MSDS No : DELAYED SET EPOXY-GHS - RESIN  
 Date-Revised : 12/05/2016  
 Revision No : 8

and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

## UNITED STATES

## SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**TITLE III NOTES:** To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Epoxy resin (Bisphenol A)	25068-38-6

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

**CALIFORNIA PROPOSITION 65: WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Bisphenol A Resin CAS 25068-38-6)

Chemical Name	Wt.%	Listed
Epoxy resin (Bisphenol A)	90 - 100	Female Reproductive

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

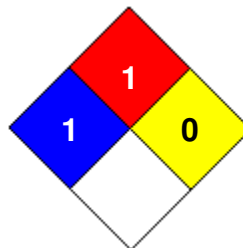
**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 12/05/2016

**REVISION SUMMARY:** This MSDS replaces the 11/07/2016 MSDS. Revised: **Section 2:** . **Section 11:** NTP. **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME VESSEL (IMO/IMDG) ( MARINE POLLUTANT #1 ).

## HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

## NFPA CODES



## MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Pacer Technology does not assume any liability for the accuracy or 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 hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

# SAFETY DATA SHEET



Date Prepared : 05/26/2015  
 MSDS No : DELAYED SET EPOXY-GHS - HARDENER  
 Date-Revised : 12/05/2016  
 Revision No : 4

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** 30MIN DELAYED SET EPOXY (15356, 15251, SY-SS) - HARDENER

### MANUFACTURER

Pacer Technology  
 3281 E. Guasti Rd., Suite 260  
 Ontario, CA 91761  
**Emergency Contact:** CHEMTREC  
**Emergency Phone:** 800-424-9300  
**Alternate Emergency Phone:** 703-527-3887  
**Product Stewardship:** 909-987-0550

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Irritation, Category 2  
 Eye Irritation, Category 2  
 Toxic to reproduction (Unborn child), Category 2

### GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** WARNING

### HAZARD STATEMENTS

H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H360: Suspected of damaging the unborn child.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash skin and hands thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P363: Wash contaminated clothing before reuse.



# SAFETY DATA SHEET



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 MSDS No : DELAYED SET EPOXY-GHS - HARDENER  
 Date-Revised : 12/05/2016  
 Revision No : 4

## Response:

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P302+352: IF ON SKIN: Wash with plenty of soap and water.  
 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.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

## Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

## Disposal:

P501: Dispose of in a manner consistent with federal, state, and local regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Mercaptan/amine polymer system	70 - 100	
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	10 - 30	90-72-2
2-ethylhexanoic acid	1 - 5	149-57-5

## 4. FIRST AID MEASURES

**EYES:** Flush eye with water for 15 minutes. Get medical attention.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

**INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Causes eye irritation.

**SKIN:** Contact causes skin irritation.

**INGESTION:** Ingestion of this material can cause mouth, throat, esophageal, and gastrointestinal tract irritation.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**ACUTE EFFECTS:** Slightly irritating to eyes and respiratory tracts.

**CHRONIC EFFECTS:** Avoid contact with eyes; may cause redness, irritation and conjunctivitis.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not Flammable

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustion products may include: oxides of carbon, nitrogen and sulfur; hydrogen



## SAFETY DATA SHEET



Date Prepared : 05/26/2015  
 MSDS No : DELAYED SET EPOXY-GHS - HARDENER  
 Date-Revised : 12/05/2016  
 Revision No : 4

sulfides.

**FIRE FIGHTING PROCEDURES:** Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustible by-products of carbon monoxide/dioxide, hydrogen sulfide and oxides of sulfur.

### 6. ACCIDENTAL RELEASE MEASURES

#### SMALL SPILL:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### LARGE SPILL:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**LAND SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**AIR SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**GENERAL PROCEDURES:** Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

**SPECIAL PROTECTIVE EQUIPMENT:** Use plastic/rubber gloves, chemical splash goggles or safety glasses with side shields.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

**HANDLING:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

**STORAGE:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

**STORAGE TEMPERATURE:** Ambient room temperature (70F/21C).

**LOADING TEMPERATURE:** No data available

**LOADING/UNLOADING VISCOSITY:** No data available

**STORAGE PRESSURE:** No data available

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## SAFETY DATA SHEET



Date Prepared : 05/26/2015  
 MSDS No : DELAYED SET EPOXY-GHS - HARDENER  
 Date-Revised : 12/05/2016  
 Revision No : 4

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
EXPOSURE LIMITS			
Chemical Name	Type		mg/m <sup>3</sup>
2-ethylhexanoic acid	ACGIH TLV	TWA	5

**ENGINEERING CONTROLS:** Use only in a well ventilated area.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** Wear rubber gloves to avoid prolonged skin contact.

**RESPIRATORY:** Use only in a well ventilated area.

**PROTECTIVE CLOTHING:** Wear protective clothing. Launder contaminated clothing before reuse.

**WORK HYGIENIC PRACTICES:** Avoid contact with skin and eyes. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Sulfur odor.

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Pale yellow viscous liquid.

**COLOR:** Pale yellow colored.

**pH:** No data available

**PERCENT VOLATILE:** No data available

**FLASHPOINT AND METHOD:** > 93.3°C (200°F) Pensky-Martens CC

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available

**BOILING POINT:** No data available

**FREEZING POINT:** No data available

**MELTING POINT:** No data available

**POUR POINT:** No data available

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** No data available

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** <0.1

**EVAPORATION RATE:** Not Applicable

**DENSITY:** No data available

**SPECIFIC GRAVITY:** 1.13

**VISCOSITY #1:** 12000 to 18000 cps

## SAFETY DATA SHEET



Date Prepared : 05/26/2015  
 MSDS No : DELAYED SET EPOXY-GHS - HARDENER  
 Date-Revised : 12/05/2016  
 Revision No : 4

**MOLECULAR WEIGHT:** No data available

**(VOC):** 0 g/L

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid storage near large masses of epoxy resins.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustible by-products of carbon monoxide/dioxide, hydrogen sulfide and oxides of sulfur.

**INCOMPATIBLE MATERIALS:** Avoid strong oxidizing agents and amines especially when hot.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	2169 mg/kg (rat)	> 971 mg/kg (rat)

**RESPIRATORY OR SKIN SENSITISATION:** No data available

**GERM CELL MUTAGENICITY:** No known significant effects or critical hazards.

## CARCINOGENICITY

**IARC:** No data available

**NTP:** No data available

**OSHA:** No data available

**STOT-SINGLE EXPOSURE:** No data available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

**ECOTOXICOLOGICAL INFORMATION:** Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

**BIOACCUMULATION/ACCUMULATION:** Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

**Notes:** Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

**COMMENTS:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 13. DISPOSAL CONSIDERATIONS

## DISPOSAL METHOD:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste

## SAFETY DATA SHEET



Date Prepared : 05/26/2015  
 MSDS No : DELAYED SET EPOXY-GHS - HARDENER  
 Date-Revised : 12/05/2016  
 Revision No : 4

packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. TRANSPORT INFORMATION

## DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not restricted

## AIR (ICAO/IATA)

**SHIPPING NAME:** ID8000, CONSUMER COMMODITY, 9 (PKG LESS THAN OR EQUAL TO 30 kg G); or UN3334, AVIATION REGULATED LIQUID, N.O.S. (MERCAPTAN AMINE BLEND), 9, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L, OP WGT LESS THAN OR EQUAL TO 30 kg G) \*

## VESSEL (IMO/IMDG)

**SHIPPING NAME:** NOT REGULATED

**COMMENTS:** \* This product may be shipped as EXCEPTED QUANTITIES OF CLASS 9, UN3334 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 1.0 L)

The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

## UNITED STATES

## SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Mercaptan/amine polymer system	
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	90-72-2
2-ethylhexanoic acid	149-57-5

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

**CALIFORNIA PROPOSITION 65: WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Chemical Name	Wt. %	Listed
2-ethylhexanoic acid	1 - 5	Developmental Toxicity

## 16. OTHER INFORMATION

# SAFETY DATA SHEET



Date Prepared : 05/26/2015

MSDS No : DELAYED SET EPOXY-GHS - HARDENER

Date-Revised : 12/05/2016

Revision No : 4

APPROVED BY: Pacer Technology Regulatory Department

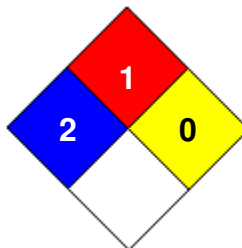
PREPARED BY: Pacer Technology Regulatory Department Date-Revised: 12/05/2016

**REVISION SUMMARY:** This MSDS replaces the 11/09/2016 MSDS. Revised: **Section 1:** Date Issued. **Section 2:** . **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME VESSEL (IMO/IMDG) - SHIPPING NAME.

## HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

## NFPA CODES



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