SAFETY DATA SHEET

Date Prepared : 05/10/2016
MSDS No : 11710369 SY-SS12 - RESIN
Date-Revised : 09/14/2017
Revision No : 12

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: EPOXY SYR DELAYED SET BREAK OFF TIP(12) - 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 : 11710369 SY-SS12 - RESIN
Date-Revised : 09/14/2017
Revision No : 12

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

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

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) 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/cm3 at 25C (77F)
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_{50} (rat)	DERMAL LD_{50} (rabbit)
Epoxy resin (Bisphenol A)	> 2000 mg/kg (rat)	> 2000 mg/kg (rat)

DERMAL LD_{50}: 23000 mg/kg (rabbit)

SAFETY DATA SHEET

ORAL LD_{50}: > 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 PER 49 CFR 173.9

AIR (ICAO/IATA)

SHIPPING NAME: UN3316, CHEMICAL KIT, 9, III

VESSEL (IMO/IMDG)

SHIPPING NAME: UN3316, CHEMICAL KIT, 9, III

COMMENTS: 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:** No

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

SAFETY DATA SHEET

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 can expose you to chemicals including, Bisphenol A which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

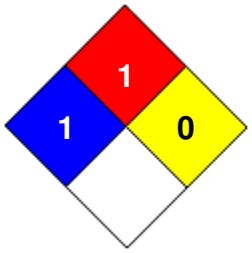
PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 09/14/2017

REVISION SUMMARY: This MSDS replaces the 08/08/2017 MSDS. Revised: **Section 15:** CALIFORNIA PROPOSITION 65.

HMIS RATING

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

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 Issued : 05/26/2015
SDS No : 11710369_SY-SS12 - HARDENER
Date Revised : 11/11/2020
Revision No : 7

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: EPOXY SYR DELAYED SET BREAK OFF TIP(12) - HARDENER
PRODUCT CODE: 11710369_SY-SS12 - HARDENER

MANUFACTURER

Pacer Technology
3281 E. Guasti Road, Suite 260
Ontario, CA 91761
Emergency Contact: Chemtrec
Emergency Phone: (800) 424-9300
Customer Service: (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

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.
H319: Causes serious eye irritation.
H361: Suspected of damaging the unborn child.

PRECAUTIONARY STATEMENTS

General:

P103: Read label before use.
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves.
P281: Wear eye protection.

SAFETY DATA SHEET

Date Issued : 05/26/2015
SDS No : 11710369_SY-SS12 - HARDENER
Date Revised : 11/11/2020
Revision No : 7

P362: Take off contaminated clothing.
P363: Wash contaminated clothing before reuse.
P338: Remove contact lenses, if present and easy to do. Continue rinsing.

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.
P337+P313: If eye irritation persists: 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: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

SKIN: Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INGESTION: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless direct to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recover position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, such as collar, tie, belt or waistband.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes serious eye irritation.

SKIN: Contact causes skin irritation.

INGESTION: Irritating to mouth, throat and stomach.

SAFETY DATA SHEET

INHALATION: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

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 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. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

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: None known.

AIR SPILL: None known.

GENERAL PROCEDURES: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

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

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Put on appropriate personal protective equipment. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

HANDLING: Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking and smoking.

SAFETY DATA SHEET

STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
2-ethylhexanoic acid	**ACGIH TLV**	**TWA**		5

ENGINEERING CONTROLS: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminant below any recommended or statutory limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety eyewear complying with an approved standard should be sued when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, glasses or dusts.if contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

SKIN: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

RESPIRATORY: Use properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the sealed respirator.

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

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing be fore reusing. Ensure taht eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mercaptan-like

ODOR THRESHOLD: Not Established

APPEARANCE: Pale yellow viscous liquid.

COLOR: Pale yellow colored.

pH: Not Established

PERCENT VOLATILE: Not Established

FLASH POINT AND METHOD: > 93.3°C (200°F) Pensky-Martens CC

AUTOIGNITION TEMPERATURE: No data available

SAFETY DATA SHEET

VAPOR PRESSURE: No data available

VAPOR DENSITY: Not Established

BOILING POINT: No data available

FREEZING POINT: No data available

MELTING POINT: No data available

POUR POINT: Not Established

THERMAL DECOMPOSITION: Not Established

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

MOLECULAR WEIGHT: No data available

(VOC): 0 g/L

10. STABILITY AND REACTIVITY

REACTIVITY: The product is stable and non-reactive under normal conditions of use, storage, and transport.

STABILITY: Stable.

CONDITIONS TO AVOID: Excessive heat. Contact with incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Hydrogen sulfide. Sulphur oxides. Nitrogen oxides.

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

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD_{50}	DERMAL LD_{50}
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	2169 mg/kg (rat)	> 971 mg/kg (rat)

SKIN CORROSION/IRRITATION: Causes skin irritation.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION: Exposure to decomposition products may cause a health hazard. serious effects may be delayed following exposure.

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

CARCINOGENICITY

IARC: Not Established

NTP: Not Established

OSHA: Not Established

STOT-SINGLE EXPOSURE: Not Established

12. ECOLOGICAL INFORMATION

SAFETY DATA SHEET

ENVIRONMENTAL DATA: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effects on the environment.

BIOACCUMULATION/ACCUMULATION: The product is poorly biodegradable.

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 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 REGULATED PER 49 CFR 173.9

AIR (ICAO/IATA)

SHIPPING NAME: UN3316, CHEMICAL KIT, 9, III

VESSEL (IMO/IMDG)

SHIPPING NAME: UN3316, CHEMICAL KIT, 9, III

COMMENTS: 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)

311/312 HEALTH HAZARDS: Immediate (acute) health hazard. Delayed (chronic) health hazard.

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.

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Affairs Department

PREPARED BY: Pacer Technology Regulatory Department **Date Revised:** 11/11/2020

SAFETY DATA SHEET

Pacer Technology

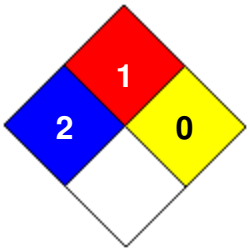
Date Issued : 05/26/2015
SDS No : 11710369_SY-SS12 - HARDENER
Date Revised : 11/11/2020
Revision No : 7

REVISION SUMMARY: This SDS replaces the 08/08/2017 SDS. Revised: **Section 1:** APPROVED BY, PRODUCT CODE. **Section 4:** EYES, INGESTION, INHALATION, SIGNS AND SYMPTOMS OF OVEREXPOSURE (INGESTION, INHALATION), SKIN. **Section 6:** GENERAL PROCEDURES, LARGE SPILL, SMALL SPILL. **Section 7:** GENERAL PROCEDURES, HANDLING, LOADING TEMPERATURE, LOADING/UNLOADING VISCOSITY, STORAGE, STORAGE PRESSURE. **Section 8:** ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT (EYES AND FACE, RESPIRATORY), WORK HYGIENIC PRACTICES. **Section 9:** ODOR. **Section 10:** CONDITIONS TO AVOID, HAZARDOUS DECOMPOSITION PRODUCTS, STABLE. **Section 11:** , , SKIN CORROSION/IRRITATION. **Section 12:** COMMENTS, ECOTOXICOLOGICAL INFORMATION, ENVIRONMENTAL DATA, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) - Notes. **Section 15:** 311/312 HEALTH CATEGORIES.

HMIS RATING

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

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.