

SAFETY DATA SHEET



Date Prepared : 05/28/2009

MSDS No : 11720043_N62020 - RESIN

Date-Revised : 09/25/2017

Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: PROSEAL GAS TANK & RADIATOR REPAIR .07 O - 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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin corrosion/Irritation, Category 2
Serious eye damage/Irritation, Category 2B
Skin Sensitization, Category 1

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

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315 + H320: Causes skin and eye irritation.
H317: May cause an allergic skin reaction.

PRECAUTIONARY STATEMENT(S)

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash skin and hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

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to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing.

P363: Wash contaminated clothing before reuse.

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
Epoxy resin (Bisphenol A)	30 - 60	25068-38-6
Chlorinated paraffins	1 - 5	63449-39-8
Crystalline silica	0.1 - 1	14808-60-7

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 10 minutes. Get medical attention.

SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. 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. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. 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.

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 adverse health effects persist or are severe. if unconscious, place in recovery position and get medical attention immediately. Maintain open airway. Loosen tight clothing such as 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: Causes skin irritation. May cause an allergic skin reaction.

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: Irritating to mouth, throat, and stomach.

INHALATION: No specific data.

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NOTES TO PHYSICIAN: 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.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: None Known

FIRE FIGHTING PROCEDURES: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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

FIRE EXPLOSION: None known.

SENSITIVE TO STATIC DISCHARGE: Not Applicable.

SENSITIVITY TO IMPACT: Not Applicable.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, halogenated compounds, carbonyl halides, metal oxide(s).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid and place in sealed container for disposal.

LARGE SPILL: Absorb the liquid and scrub the area with detergent and water. Avoid runoff into storm sewers and ditches which lead to waterways.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

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

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: -Implement cleanup procedures.

-If in public area, keep public away and advise authorities.

-Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

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 tightly closed containers at ambient temperature. Protect from freezing.

STORAGE TEMPERATURE: Suggested storage conditions: Less than 77F/25C. Protect from freezing.

LOADING TEMPERATURE: Not Established

LOADING/UNLOADING VISCOSITY: Not Established

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	Type		ppm	mg/m ³
Crystalline silica	OSHA PEL	TWA	250mpp ppm ^[1]	10 mg/m3 ^[1]
		STEL	ppm	mg/m3
	ACGIH TLV	TWA	ppm	0.025 mg/m3
		STEL	ppm	mg/m3
	Supplier OEL	TWA	NL ppm	NL mg/m3
		STEL	NL ppm	NL mg/m3

OSHA TABLE COMMENTS:

1. NL = Not Listed

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 & apron.

RESPIRATORY: Use only in a well ventilated area.

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: Paste

ODOR: Irritating odor.

ODOR THRESHOLD: No data available

APPEARANCE: Gray putty with epoxy odor.

pH: No data available

PERCENT VOLATILE: No data available

FLASHPOINT AND METHOD: No data available

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: No data available

VAPOR DENSITY: No data available

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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
EVAPORATION RATE: No data available
DENSITY: No data available
SPECIFIC GRAVITY: No data available
VISCOSITY: No data available
MOLECULAR WEIGHT: No data available
(VOC): No data available

10. STABILITY AND REACTIVITY

REACTIVITY: Yes
HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable
CONDITIONS TO AVOID: Avoid temperatures above (300) F (148) C.
POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous reactions are possible when exposed to incompatible materials such as nitrates, chlorine, ammonia, strong oxidizers, alkalis, and acids
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)
Chlorinated paraffins	26100 mg/kg (rat)	

DERMAL LD₅₀: No data available
ORAL LD₅₀: No data available
INHALATION LC₅₀: No data available

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Crystalline silica	1	1

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Use precautions to avoid release to sewers/drains/surface water and soil.

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.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.

FOR LARGE SPILLS: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

PRODUCT DISPOSAL: Dispose of following all Local Authority requirements for disposal.

EMPTY CONTAINER: Dispose of following all Local Authority requirements for disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted by DOT

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Applicable.

AIR (ICAO/IATA)

SHIPPING NAME: Not Applicable.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not Applicable.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
Epoxy resin (Bisphenol A)	25068-38-6
Chlorinated paraffins	63449-39-8
Crystalline silica	14808-60-7

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

CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to chemicals including Crystalline Silica, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name	Wt.%	Listed
Epoxy resin (Bisphenol A)	30 - 60	Female Reproductive
Crystalline silica	0.1 - 1	Cancer

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

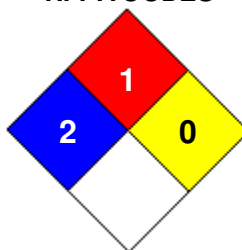
PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 09/25/2017

REVISION SUMMARY: This MSDS replaces the 12/10/2014 MSDS. Revised: **Section 1:** APPROVED BY, Date Issued, Date-Revised, 24 HR. EMERGENCY TELEPHONE NUMBERS, MSDS No, PREPARED BY, TITLE. **Section 2:** . **Section 3:** Wt.%. **Section 4:** EYES, INGESTION, INHALATION, SIGNS AND SYMPTOMS OF OVEREXPOSURE (INGESTION, INHALATION, SKIN), SKIN. **Section 5:** EXPLOSION HAZARDS, EXTINGUISHING MEDIA, FIRE FIGHTING PROCEDURES, FLAMMABLE CLASS, HAZARDOUS DECOMPOSITION PRODUCTS. **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, DENSITY, EVAPORATION RATE, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, MOLECULAR WEIGHT, ODOR THRESHOLD, PERCENT VOLATILE, pH, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VAPOR PRESSURE, VISCOSITY, (VOC), THERMAL DECOMPOSITION, . **Section 11:** ACUTE (DERMAL LD₅₀ (rabbit), SKIN ABSORPTION, ORAL LD₅₀ (rat), INHALATION LC₅₀ (rat)), CARCINOGENICITY. **Section 13:** EMPTY CONTAINER, PRODUCT DISPOSAL. **Section 15:** CALIFORNIA PROPOSITION 65, WHMIS CLASS.

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



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.

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: PROSEAL GAS TANK & RADIATOR REPAIR .07 O - 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
Skin Sensitization, Category 1
Target Organ Toxicity (Single exposure), Category 3

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

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

5468C4VS: Contains epoxy constituents. May produce an allergic reaction.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P271: Use only outdoors or in a well-ventilated area.

Response:

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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.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

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
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	10 - 30	68410-23-1
Crystalline silica	0.1 - 1	14808-60-7

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: Do Not induce vomiting. Contact physician at once.

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.

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

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: Irritating to eyes, respiratory system and skin.

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

NOTES TO PHYSICIAN: 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.

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: Can burn in fire, releasing toxic vapors.

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EXPLOSION HAZARDS: Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.

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.

FIRE EXPLOSION: Product is Flammable. Respiratory protection required for firefighters. Stay upwind from fire if possible when fire-fighting.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustible by-products of carbon monoxide/dioxide and nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid and place in sealed container for disposal.

LARGE SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

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

LAND SPILL: Prevent from entering into soil, ditches, sewers, waterways and/or ground water. See Section 12, Ecological Information.

AIR SPILL: None known

GENERAL PROCEDURES: Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

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

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

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Crystalline silica	OSHA PEL	TWA	250mpp ppm ^[1]	10 mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	ppm	0.025 mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³

OSHA TABLE COMMENTS:

1. NL = Not Listed

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 chemical resistant gloves (Buna-N or Polyvinyl alcohol) and apron to protect skin and clothing.

RESPIRATORY: Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment.
 Recommended: Full-face NIOSH-approved respirator with organic vapor cartridge.

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: Paste

ODOR: No data available

ODOR THRESHOLD: No data available

APPEARANCE: Black putty with epoxy odor.

COLOR: No data available

pH: No data available

PERCENT VOLATILE: No data available

FLASHPOINT AND METHOD: No data available

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: No data available

BOILING POINT: No data available

FREEZING POINT: No data available

MELTING POINT: No data available

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POUR POINT: No data available
THERMAL DECOMPOSITION: No data available
SOLUBILITY IN WATER: No data available
EVAPORATION RATE: No data available
DENSITY: No data available
SPECIFIC GRAVITY: No data available
VISCOSITY: No data available
MOLECULAR WEIGHT: No data available
(VOC): No data available

10. STABILITY AND REACTIVITY

REACTIVITY: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: Stable
CONDITIONS TO AVOID: Avoid storage near large masses of epoxy resins.
POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustible by-products of carbon monoxide/dioxide and nitrogen oxides.
INCOMPATIBLE MATERIALS: Avoid strong oxidizing agents and amines especially when hot.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: No data available
ORAL LD₅₀: No data available
INHALATION LC₅₀: No data available.

SERIOUS EYE DAMAGE/IRRITATION: Irritating to eyes, respiratory system and skin.

RESPIRATORY OR SKIN SENSITISATION: Irritating to skin. May cause allergic skin reaction with prolonged contact.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Crystalline silica	1	1

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Use precautions to avoid release to sewers/drains/surface water and soil.

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.

13. DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.

FOR LARGE SPILLS: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

PRODUCT DISPOSAL: Dispose of following all Local Authority requirements for disposal.

EMPTY CONTAINER: Dispose of following all Local Authority requirements for disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted by DOT

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not restricted

AIR (ICAO/IATA)

SHIPPING NAME: Not Applicable.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not restricted

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1
Crystalline silica	14808-60-7

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

CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to chemicals including Crystalline Silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name	Wt.%	Listed
Crystalline silica	0.1 - 1	Cancer

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

SAFETY DATA SHEET



Date Prepared : 05/28/2009
MSDS No : 11720043_N62020 - HARDENER
Date-Revised : 09/25/2017
Revision No : 3

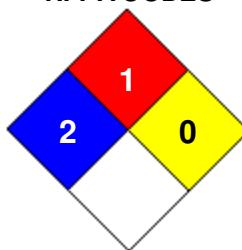
PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 09/25/2017

REVISION SUMMARY: This MSDS replaces the 12/10/2014 MSDS. Revised: **Section 1:** APPROVED BY, Date Issued, Date-Revised, MSDS No, PREPARED BY, TITLE. **Section 2:** . **Section 3:** Wt.%. **Section 5:** SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COLOR, DENSITY, EVAPORATION RATE, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, MOLECULAR WEIGHT, ODOR, ODOR THRESHOLD, PERCENT VOLATILE, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VAPOR PRESSURE, VISCOSITY, (VOC), THERMAL DECOMPOSITION, . **Section 11:** ACUTE (DERMAL LD₅₀ (rabbit), SKIN ABSORPTION, ORAL LD₅₀ (rat), INHALATION LC₅₀ (rat)), CARCINOGENICITY, GERM CELL MUTAGENICITY, SKIN CORROSION/IRRITATION. **Section 15:** CALIFORNIA PROPOSITION 65, WHMIS CLASS.

HMIS RATING

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

NFPA CODES



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