

# SAFETY DATA SHEET



**Date Issued :** 08/01/2018  
**MSDS No :** 11720035\_N27106  
**Date-Revised :** 04/03/2019  
**Revision No :** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** PROSEAL RED PRO LOK PERM 6ML (12)

### 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 Irritation, Category 2  
 Skin Sensitization, Category 1B  
 Eye Irritation, Category 2A  
 STOT SE, 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:

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P210: Keep away from heat/sparks/open flames/hot surfaces. - No Smoking.  
 P233: Keep container tightly closed.  
 P264: Wash skin and hands thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

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P302+352: IF ON SKIN: Wash with plenty of soap and water.  
 P304+P312: IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.  
 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.  
 P321: For specific first aid treatment (See Section 4 of this Safety Data Sheet).  
 P363: Wash contaminated clothing before reuse.  
 P370+378: In case of fire, CO<sub>2</sub>, Halon (if permitted), dry chemical, or foam for extinction.

## Storage:

P405: Store locked up.  
 P403+P235: Store in a well-ventilated place. Keep cool.

## Disposal:

P501: Dispose of contents through a licensed treatment, storage, disposal facility (TSDf).

**HAZARDS NOT OTHERWISE CLASSIFIED: KEEP OUT OF REACH OF CHILDREN.**

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyethylene Glycol Dimethacrylate	0 - 60	25852-47-5
Trimethylolpropane trimethacrylate	0 - 60	3290-92-4
2-HYDROXYETHYL METHACRYLATE	≥ 25	868-77-9
Hydroxypropyl methacrylate	≥ 25	27813-02-1
2-Propenoic acid	0 - 10	79-10-7
Saccharin	≤ 5	81-07-2
Ethylene glycol	< 5	107-21-1
2,6-di-tert-butyl-p-cresol	< 5	128-37-0
Titanium dioxide	< 5	13463-67-7
Maleic acid	< 5	110-16-7
Benzoquinone	< 5	106-51-4
Cumene Hydroperoxide	< 1	80-15-9
Cumene	< 1	98-82-8

## 4. FIRST AID MEASURES

**EYES:** Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally.

**SKIN:** Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

**INGESTION:** If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.

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**INHALATION:** Remove victim to fresh air at once. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Vapor of this product may be mildly to moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.

**SKIN:** May be irritating to skin in some sensitive individuals, especially after prolonged or repeated skin contact. May bond skin to clothing and release heat, causing burns.

**INGESTION:** If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.

**INHALATION:** Inhalation of vapors is unlikely under normal conditions of use. Vapors of this product may be slightly irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the exposure limits in Section 8 can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).

**ACUTE EFFECTS:** Mild to moderate irritation to skin near affected areas. Vapor of this product may be mildly to moderately irritating to the eyes and mucous membranes. Symptoms of overexposure may include redness, itching, irritation and watering. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.

**CHRONIC EFFECTS:** None known.

**ADDITIONAL INFORMATION: Symptoms of Overexposure:** Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. Overexposure of vapor in eyes may cause redness, itching, and watering.

**Target Organs:** Eyes, Skin, Respiratory System.

**Medical Conditions Aggravated by Exposure:** Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory).

## 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** This material can burn but will not readily ignite. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO<sub>2</sub>, Hydrocarbons).

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Chemical, Halon (if permitted), Alcohol Foam. Use water spray to cool containers.

**FIRE FIGHTING PROCEDURES:** Keep containers cool until well after the fire is out. Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Use water spray to cool fire-exposed surfaces and to protect personnel. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** For small spills (e.g., < 1 gallon (3.8L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing wash thoroughly before reuse.

**LARGE SPILL:** For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth.) Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water.

# SAFETY DATA SHEET



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**Revision No :** 1

**GENERAL PROCEDURES:** Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid prolonged or repeated skin contact. Avoid breathing vapors of this product. Use eye protection when using this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

**STORAGE:** Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool dry location, away from direct sunlight, other light sources or sources of intense heat. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

Exposure Limits: ppm (mg/m3)	Chemical Name(s)	ACGIH		NOHSC			OSHA			OTHER
		TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
	CUMENE HYDROPEROXIDE	NA	NA	NF	NF	NF	NA	NA	NA	1 WEEL
	2-PROPENOIC ACID	2	NA	(2)	5.9	NF	2	NA	NA	
	ETHYLENE GLYCOL	(100)	NA	NF	10	NF	(50)	NA	NA	
	2,6-DI-TERT-BUTYL-p-CRESOL	NA	NA	10	NF	NF	NA	NA	NA	
	TITANIUM DIOXIDE	(10)	NA	NF	NF	NF	(5)	NA	5000	
	BENZOQUINONE	0.1	NA	(0.1)	0.44	NF	0.1	NA	100	
	CUMENE	50	NA	(25)	125	NF	50	NA	900	

**ENGINEERING CONTROLS:** General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove or prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g. sink, safety shower, eye-wash station).

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses equipped with side shields should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125F (51C). Have suitable eye wash water available. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**SKIN:** Avoid prolonged and/or repeated skin contact.

**RESPIRATORY:** No special respiratory protection is required under typical circumstances of use or handling. In instances where mist or vapors of this product are generated, and respiratory protection is needed, use only protection authorized by 29

# SAFETY DATA SHEET



**Date Issued :** 08/01/2018  
**MSDS No :** 11720035\_N27106  
**Date-Revised :** 04/03/2019  
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CFR 1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

**PROTECTIVE CLOTHING:** Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states. Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neoprene or Tyvek) if splashing or spraying conditions are present. Protective clothing should include long-sleeves, apron, boots and additional facial protection. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mild cumene odor

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Red Liquid

**pH:** 3-6

**FLASHPOINT AND METHOD:** > 93°C (199.4°F)

**FLAMMABLE LIMITS:** No data available

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** <5 mmHg @ 27°C (80.6°F)

**VAPOR DENSITY:** No data available

**BOILING POINT:** > 148°C (>298.4°F)

**FREEZING POINT:** No data available

**MELTING POINT:** No data available

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** Insoluble

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No data available

**EVAPORATION RATE:** No data available

**SPECIFIC GRAVITY:** 1.05 g/cm<sup>3</sup>

**VISCOSITY:** No data available

**(VOC):** VOC (less exempt): 13%

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.

**STABILITY:** Stable under normal conditions; unstable with heat or contamination.

**CONDITIONS TO AVOID:** Open flames, sparks, high heat, incompatible substances and direct sunlight.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon (CO, CO<sub>2</sub>).

**INCOMPATIBLE MATERIALS:** Avoid extreme heat and ignition sources, strong acids and alkali, reactive metals, inert gases, strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**NOTES:** Product ATE: 1120-1630 mg/kg (oral), > 5000 mg/kg (skin), 31 mg/L (inhalation, as vapor), 6 mg/L (inhalation, as mist)

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**SKIN CORROSION/IRRITATION:** Causes severe skin irritation and burns. May cause allergic skin reaction (sensitization).

**RESPIRATORY OR SKIN SENSITISATION:** Inhalation of vapors may cause severe mucous membrane and respiratory irritation and burns.

**GERM CELL MUTAGENICITY:** This product is not reported to produce mutagenic effects in humans.

## CARCINOGENICITY

**NOTES:** Saccharin, 2,6-Di-tert-Butyl-p-Cresol and Benzoquinone are listed as IARC Group 3 (Not classifiable as to its carcinogenicity to humans), Titanium Dioxide is listed as Possible Carcinogen to Humans (Group 2B) by IARC. Cumene is listed as Possible Carcinogen to Humans (Group 2B) by IARC and Reasonably Anticipated to Be a Human Carcinogen by NTP. None of the other components of this product have above 0.1% are listed as a carcinogen or suspected carcinogen by the IARC, NTP, ACGIH, OSHA or the EU CLP. This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer, and Ethylene Glycol, 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](http://www.P65Warnings.ca.gov).

**REPRODUCTIVE TOXICITY:** This product is not reported to produce reproductive toxicity in humans.

**GENERAL COMMENTS:** Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL DATA:

Persistence and Degradability: Polyethylene Glycol Dimethacrylate: Not readily biodegradable. Acrylic acid: Readily biodegradable- 68% in 14 days. 2,6-Di-tert-butyl-p-cresol: Not readily biodegradable.

### ECOTOXICOLOGICAL INFORMATION:

Trimethylolpropane trimethacrylate: 96 hr LC50 Rainbow trout: 2 mg/L, 48 hr EC50 Daphnia magna: >9.22 mg/L, 32 day NOEC Fathead

Minnow: 0.138 mg/L

2-Hydroxyethyl methacrylate: 96 hr LC50 Japanese Rice Fish: >100 mg/L, 48 hr EC50 Daphnia magna: 380 mg/L

Hydroxypropyl methacrylate: 96 hr LC50 Scophthalmus maximus: 833 mg/L, 48 hr EC50 Daphnia magna: >143 mg/L, 21 days NOEC Daphnia

magna: 45.2 mg/L

Acrylic acid: 96 hr LC50 Rainbow trout: 27 mg/L, 96 hr NOEC Rainbow trout: 6.3 mg/L, 48 hr EC50 Daphnia magna: 95 mg/L, 21 day NOEC

Daphnia magna: 7-12 mg/L, 72 hr EC50 Desmodesmus subspicatus (green algae): 0.205 mg/L

Ethylene glycol: 96 hr LC50 Fathead minnow: >100 mg/L

2, 6-Di-tert-butyl-p-cresol: 96 hr LC50 Zebra fish: >0.57 mg/L, 48 hr EC50 Daphnia magna: 0.48 mg/L, 30 day NOEC Japanese Rice Fish:

0.053 mg/L, 21 days NOEC Daphnia magna: 0.069 mg/L

Maleic acid: 96 hr LC50 Rainbow trout: 75 mg/L, 48 hr EC50 Daphnia magna: 42.81 mg/L, 21 day NOEC Daphnia magna: 10 mg/L Benzoquinone:

48hr EC50 Daphnia magna: 0.13 mg/L, 72 hr EC50 Desmodesmus subspicatus: 1.5 mg/L

Cumene hydroperoxide: 96 hr LC50 Rainbow trout: 3.9 mg/L, 48 hr EC50 Daphnia magna: 18.84 mg/L

Cumene: 96 hr LC50 Rainbow trout: 4.8 mg/L, 48 hr EC50 Daphnia magna: 2.14 mg/L, 28 day NOEC Zebra fish: 0.38 mg/L, 21 days NOEC

Daphnia magna: 0.35 mg/L

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in section 3. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. A licensed facility or waste hauler must provide treatment, transport, storage and disposal of hazardous waste.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** EXCEPTED FROM REGULATION per 49 CFR 171.4(c)(2)

# SAFETY DATA SHEET



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**MSDS No :** 11720035\_N27106  
**Date-Revised :** 04/03/2019  
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## AIR (ICAO/IATA)

**SHIPPING NAME:** EXCEPTED FROM REGULATION per Special Provision A197

## VESSEL (IMO/IMDG)

**SHIPPING NAME:** EXCEPTED FROM REGULATION per IMDG Code 2.10.2.7

**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)

**313 REPORTABLE INGREDIENTS:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: Ethylene Glycol (107-21-1) < 5%, Benzoquinone (106-51-4) < 5%, Cumene (98-82-8) 0.02-0.155%

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** This product has an RQ of 200 lbs (based on the RQ of Benzoquinone of 10 lbs present at < 5%). Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All of the ingredients of this product are listed on the TSCA inventory or exempt.

**CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS):** None of the ingredients are listed as Hazardous Air Pollutants (HAPs)

#### REGULATIONS

**STATE REGULATIONS:** Saccharin is found on the following state criteria list: FL, MA, MN, NJ, PA and WI. Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know-List (NJ), Pennsylvania Right-to-Know List (PA), and Wisconsin Hazardous Substances List (WI). Cumene Hydroperoxide is found on the following state criteria list: FL, MA, NJ, PA, and WA.

No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following stated criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substance List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).

**CALIFORNIA PROPOSITION 65:** ⚠ **WARNING:** This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer, and Ethylene Glycol, 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](http://www.P65Warnings.ca.gov).

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 04/03/2019

**REVISION SUMMARY:** This MSDS replaces the 10/08/2018 MSDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS. **Section 2:** SIGNAL WORD, HAZARDS NOT OTHERWISE CLASSIFIED. **Section 4:** ACUTE TOXICITY, ADDITIONAL INFORMATION, CHRONIC EFFECTS, EYES, INGESTION, INHALATION, SIGNS AND SYMPTOMS OF OVEREXPOSURE ( INGESTION, INHALATION, SKIN ), SKIN. **Section 5:** EXTINGUISHING MEDIA, FIRE FIGHTING



# SAFETY DATA SHEET



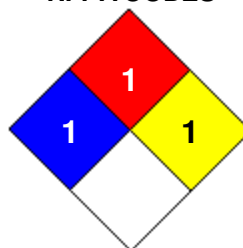
**Date Issued :** 08/01/2018  
**MSDS No :** 11720035\_N27106  
**Date-Revised :** 04/03/2019  
**Revision No :** 1

EQUIPMENT, FIRE FIGHTING PROCEDURES, GENERAL HAZARD. **Section 6:** GENERAL PROCEDURES, LARGE SPILL, SMALL SPILL. **Section 7:** HANDLING, STORAGE. **Section 8:** ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT ( EYES AND FACE, RESPIRATORY, PROTECTIVE CLOTHING ). **Section 9:** ODOR, pH, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR PRESSURE, (VOC). **Section 10:** CONDITIONS TO AVOID, HAZARDOUS DECOMPOSITION PRODUCTS, INCOMPATIBLE MATERIALS, STABILITY, STABLE. **Section 11:** ACUTE, GENERAL COMMENTS, ASPIRATION HAZARD, CARCINOGENICITY, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY, . **Section 12:** BIOACCUMULATION/ACCUMULATION. **Section 13:** DISPOSAL METHOD. **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME VESSEL (IMO/IMDG) - SHIPPING NAME. **Section 15:** STATE REGULATIONS, CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS). **Section 16:** HMIS RATING ( PHYSICAL HAZARD, PERSONAL PROTECTION, CHRONIC ), NFPA CODES ( REACTIVITY ).

## HMIS RATING

HEALTH		1
FLAMMABILITY		1
PHYSICAL HAZARD		1
PERSONAL PROTECTION	B	

## 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.