

## SAFETY DATA SHEET



Date Prepared : 11/19/2014  
 MSDS No : N27106-GHS  
 Date-Revised : 06/13/2016  
 Revision No : 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** PROSEAL RED PRO LOK PERM 6ML

**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  
 STOT SE, Category 3  
 Aquatic, Acute 3

**GHS LABEL ELEMENTS**

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.  
 H412: Harmful to aquatic life with long lasting effects.

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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P262: Do not get in eyes, on skin, or on clothing.  
 P264: Wash skin and hands thoroughly after handling.  
 P270: Do not eat, drink, or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P362: Take off contaminated clothing.

**Response:**

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P314: Get medical advice/attention if you feel unwell.

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

P337: If eye irritation persists: seek medical attention.

P363: Wash contaminated clothing before reuse.

**Storage:**

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

P405: Store locked up.

**Disposal:**

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

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Methacrylate monomer	25 - 60	25852-47-5
2-HYDROXYETHYL METHACRYLATE	25 - 35	868-77-9
2,6-di-tert-butyl-p-cresol	1 - 5	128-37-0
Ethylene glycol	1 - 5	107-21-1
Maleic acid	1 - 5	110-16-7
Quinone	1 - 5	106-51-4
Saccharin	1 - 3	81-07-2
Cumene Hydroperoxide	0.8 - 0.9	80-15-9
Cumene	0.02 - 0.155	98-82-8
Acetic Acid	≤ 0 - 0.000183	64-19-7

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately 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.

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### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Causes eye irritation.

**SKIN:** Causes skin irritation. Allergic reactions are possible.

**SKIN ABSORPTION:** Remove contaminated clothing and wash affected areas with soap and water. Prolonged or repeated contact can cause dermatitis in sensitive individuals. Contact a physician if irritation persists.

**INGESTION:** Slight to very low toxicity.

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

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

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

**EXPLOSION HAZARDS:** None known

**FIRE FIGHTING PROCEDURES:** Firefighters should wear self-contained breathing apparatus and protective clothing.

**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:** None Known.

**SENSITIVITY TO IMPACT:** None Known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and nitrogen.

### 6. ACCIDENTAL RELEASE MEASURES

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

**LARGE SPILL:** Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

#### ENVIRONMENTAL PRECAUTIONS

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

**LAND SPILL:** None known.

**AIR SPILL:** None known.

**SPECIAL PROTECTIVE EQUIPMENT:** Use Vinyl latex 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 contact with skin and eyes. Wash thoroughly after handling.

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

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

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LOADING TEMPERATURE: Not Established

LOADING/UNLOADING VISCOSITY: Not Established

STORAGE PRESSURE: Not Established

ELECTROSTATIC ACCUMULATION HAZARD: Not Established

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethylene glycol	TWA			[1]	100 [1]
Quinone	TWA	0.1	0.4	0.1	0.44
Cumene Hydroperoxide	TWA	50	245		
Cumene	TWA	50	245	50	246
Acetic Acid	TWA	10	25	10	25
	STEL			15	37
<b>OSHA TABLE COMMENTS:</b>					
1. Aerosol only					

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

## 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:** Vinyl or rubber gloves.

**RESPIRATORY:** This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.

**PROTECTIVE CLOTHING:** Not Applicable.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor.

**ODOR THRESHOLD:** Not Established

**APPEARANCE:** Red liquid.

**COLOR:** Red colored.

**pH:** 3 to 6

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**PERCENT VOLATILE:** Not Applicable  
**FLASHPOINT AND METHOD:** > 93°C (200°F)  
**FLAMMABLE LIMITS:** No data available  
**AUTOIGNITION TEMPERATURE:** No data available  
**VAPOR PRESSURE:** < 5 mmHg at 27°C (80°F)  
**VAPOR DENSITY:** Not Established  
**BOILING POINT:** > 148°C (300°F)  
**FREEZING POINT:** No data available  
**MELTING POINT:** No data available  
**POUR POINT:** No data available  
**THERMAL DECOMPOSITION:** Not Established  
**SOLUBILITY IN WATER:** Poorly soluble in water.  
**EVAPORATION RATE:** No data available  
**DENSITY:** 1.05 g/cm<sup>3</sup>  
**SPECIFIC GRAVITY:** No data available  
**VISCOSITY:** No data available  
**(VOC):** < 13.000

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** No  
**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Avoid temperatures exceeding 100F/38C and incompatible materials.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions are possible when exposed to incompatible materials.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.  
**INCOMPATIBLE MATERIALS:** Strong acids and alkalis, reactive metals and strong oxidizing agents.  
**COMMENTS:** REACTIVITY: product may react if exposed to amines, inert gases, metallic salts, heat sources or oxidizers.

## 11. TOXICOLOGICAL INFORMATION

ACUTE

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Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Methacrylate monomer	> 2000 mg/kg	
2-HYDROXYETHYL METHACRYLATE	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)
2,6-di-tert-butyl-p-cresol	890 mg/kg (rat)	> 2000 mg/kg (rat)
Ethylene glycol	> 5000 mg/kg (rat)	10626 mg/kg (rabbit)
Maleic acid	2870 mg/kg (rat)	2620 mg/kg (rabbit)
Quinone	130 mg/kg (rat)	

**EYE EFFECTS:** Moderately irritating to eyes and skin.**SKIN EFFECTS:** Irritating to skin. May cause allergic skin reaction with prolonged contact.**CHRONIC:** Repeated exposure may cause skin sensitization.**SUBCHRONIC:** Not yet known.**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status
2,6-di-tert-butyl-p-cresol		3
Quinone		3
Saccharin		3
Cumene	Reasonably anticipated to be a human carcinogen.	2B

**IARC:** Group 3**OSHA:** None known.**Notes:** WARNING: This product contains chemicals known to the state of California to cause cancer.**CORROSIVITY:** None known.**SENSITIZATION:** May cause sensitization by skin contact.**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** No known ecological affects of cured product.**ECOTOXICOLOGICAL INFORMATION:** No data available on this product.**BIOACCUMULATION/ACCUMULATION:** No data available on this product.

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**DISTRIBUTION:** No data available on this product.

**AQUATIC TOXICITY (ACUTE):** No data available on this product.

**CHEMICAL FATE INFORMATION:** No data available on this product.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in a manner consistent with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not restricted

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Not restricted

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Not restricted

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Not restricted

**CANADA TRANSPORT OF DANGEROUS GOODS**

**SHIPPING NAME:** Not restricted

## 15. REGULATORY INFORMATION

**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Immediate (acute) health and Delayed (chronic) health hazards.

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

**313 REPORTABLE INGREDIENTS:** Section 313: Cumene hydroperoxide (CAS 80-15-9), less than 3%.

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Quinone	1 - 5	106-51-4
Saccharin	1 - 3	81-07-2

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

**CERCLA REGULATORY:** Contains Cumene hydroperoxide (CAS 80-15-9), less than 3%.

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Chemical Name	Wt.%	CERCLA RQ
Quinone	1 - 5	10
Saccharin	1 - 3	100
Cumene Hydroperoxide	0.8 - 0.9	10
Cumene	0.02 - 0.155	5,000
Acetic Acid	≤ 0 - 0.000183	5,000

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Methacrylate monomer	25852-47-5
2-HYDROXYETHYL METHACRYLATE	868-77-9
2,6-di-tert-butyl-p-cresol	128-37-0
Ethylene glycol	107-21-1
Maleic acid	110-16-7
Quinone	106-51-4
Saccharin	81-07-2
Cumene Hydroperoxide	80-15-9
Cumene	98-82-8
Acetic Acid	64-19-7

**TSCA STATUS:** All components are listed on or are exempt from listing on the Toxic Substances Control Act.

**CALIFORNIA PROPOSITION 65:** WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Cumene hydroperoxide (CAS 80-15-9) which contains Cumene (CAS 98-82-8), at a level of <0.1%.

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 06/13/2016

**REVISION SUMMARY:** This MSDS replaces the 05/26/2015 MSDS. Revised: **Section 1:** APPROVED BY, PREPARED BY, TITLE. **Section 3:** Wt.%. **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COLOR, DENSITY, EVAPORATION RATE, FLAMMABLE LIMITS, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VISCOSITY, (VOC). **Section 10:** STABLE. **Section 11:** ACUTE, IARC, NTP. **Section 15:** WHMIS CLASS. **Section 16:** HMIS RATING - HEALTH NFPA CODES - HEALTH.



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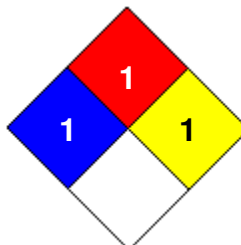


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## HMIS RATING

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

## NFPA CODES



**HMIS RATINGS NOTES:** Safety glasses and gloves are recommended for usage.

**MANUFACTURER DISCLAIMER:**

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