

SAFETY DATA SHEET



Date Issued : 04/15/2019

MSDS No : 11740135_FG08020

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: HYDRAULIC SEALANT 50ML (10)

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
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:

P210: Keep away from heat/sparks/open flames/hot surfaces. - No Smoking.
P233: Keep container tightly closed.
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.
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.

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, CO₂, 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	25 - 60	25852-47-5
2-HYDROXYETHYL METHACRYLATE	≥ 25	868-77-9
Ethylene glycol	≤ 5	107-21-1
2,6-di-tert-butyl-p-cresol	≤ 5	128-37-0
Saccharin	≤ 5	81-07-2
Maleic acid	≤ 5	110-16-7
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.

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.

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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, CO₂, Hydrocarbons).

EXTINGUISHING MEDIA: CO₂, 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.

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

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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

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
EXPOSURE LIMITS					
Chemical Name	Type			ppm	mg/m ³
2,6-di-tert-butyl-p-cresol	TWA ACGIH TLV (Inhalable fraction and vapor)				2
Cumene Hydroperoxide	AIHA WEEL (skin)	TWA		1	
Cumene	ACGIH TLV	TWA		50	
	OSHA PEL (skin)	TWA		50	

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 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 sharp odor

ODOR THRESHOLD: No data available

APPEARANCE: Purple Liquid

pH: No Data Available

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

FLAMMABLE LIMITS: No data available

AUTOIGNITION TEMPERATURE: No data available

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VAPOR PRESSURE: <0.1 mbar @ 27C (80.6F)
VAPOR DENSITY: No data available
BOILING POINT: > 150 C (> 302 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: 1.1
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, CO2).
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: 4367-5787 mg/kg (oral), > 5000 mg/kg (skin); Polyethylene Glycol Dimethacrylate: LD50 (oral, rat): >2000mg/kg; 2-hydroxyethyl Methacrylate: LD50 (oral, rat): 5564 mg/kg, LD50 (dermal, rabbit): >5000 mg/kg; Maleic Acid: Oral rat LD50 1030 mg/kg, LD50 (rabbit): 1560 mg/kg; Ethylene Glycol; LD50 (oral, rat) 500 mg/kg (point estimate). LC50 (inh, rat): >2.5 mg/L/6hr, LD50 (dermal, mouse): > 3500mg mg/kg; 2,6-DI-tert-Butyl-p-Cresol: LD50 (oral, rat) 890 mg/kg, LD50 (dermal, rat): >2000 mg/kg; Saccharin: LD 50 (oral, rat): 8440-9710 mg/kg, LD50 (dermal, rabbit): 4694 mg/kg; Cumene Hydroperoxide: LD50 (oral, rat): 382 mg/kg, LC50 (inh, rat): 1.37 mg/L/4hr, LD50 (dermal, rat): 1200-15250 mg/kg; Cumene: LD50 (oral, rat): 2260 mg/kg, LD50 (dermal, rabbit): > 3160 mg/kg

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 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 above 0.1% are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

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.

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12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: Not readily biodegradable

AQUATIC TOXICITY (ACUTE): 2-Hydroxyethyl Methacrylate: 96 hr LC50 Japanese Rice Fish: >100 mg/L, 48 hr EC50 Daphnia magna: 380 mg/L; Ethylene Glycol: 96 hr LC50 Fathead minnow: >100 mg/L; 2,6-Di-Tert-Butyl-p-Cresol: 96 hr LC 50 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 day NOEC Daphnia magna: 10 mg/L; Cumene Hydroperoxide: 96 hr LC 50 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)

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 Cumene Hydroperoxide, Ethylene Glycol and Cumene, substances subject to SARA Title III, Section 313 reporting requirements.

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). This product does not contain any Class 1 or Class 2 ozone depleters.

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


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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.

CLEAN WATER ACT: None of the ingredients are listed as Toxic Pollutants under the clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA).

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

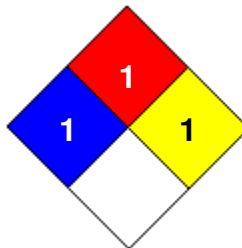
PREPARED BY: Pacer Technology Regulatory Department

Date Prepared: 04/15/2019

HMIS RATING

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

NFPA CODES



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