

SAFETY DATA SHEET



Date Prepared : 01/15/2015
 MSDS No : FG08030-GHS
 Date-Revised : 09/26/2017
 Revision No : 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: UNIVERSAL FLANGE SEALANT

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 Corrosion, Category 1B
 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



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H335: May cause respiratory irritation.

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.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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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.
 P310: Immediately call a POISON CENTER or doctor/physician.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P333+P313: If skin irritation or rash occurs: Get medical advice/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
Polyethylene Glycol Dimethacrylate	25 - 60	25852-47-5
Acrylic acid	5 - 10	79-10-7
2-HYDROXYETHYL METHACRYLATE	< 5	868-77-9
Ethylene glycol	< 5	107-21-1
Benzoquinone	< 5	106-51-4
Cumene Hydroperoxide	0.8 - 0.9	80-15-9
LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY	0.35 - 0.45	64742-82-1
Cumene	0.02 - 0.155	98-82-8
2- Butoxyethanol	0.005 - 0.025	111-76-2
Acetic Acid	≤ 0.000183	64-19-7

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large quantities of water for several minutes, while holding eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation or bonding occurs.

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 serious eye damage.

SKIN: Causes skin burns.

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INGESTION: Can burn mouth, throat and stomach.

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

ACUTE EFFECTS: Causes severe skin burns and eye damage.

CHRONIC EFFECTS: May cause skin sensitization.

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

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.

SENSITIVE TO STATIC DISCHARGE: Not Applicable.

SENSITIVITY TO IMPACT: Not Applicable.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, carbon dioxide and unknown fumes.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE 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.

ENVIRONMENTAL PRECAUTIONS

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

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

AIR 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.

SPECIAL PROTECTIVE EQUIPMENT: Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

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.

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
Ethylene glycol	ACGIH TLV	TWA	[1]	100 [1]
Benzoquinone	OSHA PEL	TWA	0.1	0.4
	ACGIH TLV	TWA	0.1	0.44
Cumene Hydroperoxide	OSHA PEL	TWA	50	245
Cumene	OSHA PEL	TWA	50	245
	ACGIH TLV	TWA	50	246
Acetic Acid	OSHA PEL	TWA	10	25
	ACGIH TLV	TWA	10	25
		STEL		15

OSHA TABLE COMMENTS:
 1. Aerosol only

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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: If ventilation is not adequate, wear NIOSH approved respiratory protection.

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

WORK HYGIENIC PRACTICES: Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Low odor.

ODOR THRESHOLD: No data available

APPEARANCE: Purple liquid.

COLOR: Purple.

pH: No data available

PERCENT VOLATILE: No data available

FLASHPOINT AND METHOD: > 93°C

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: < 10 mm Hg @ 27C/68F

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VAPOR DENSITY: No data available
 BOILING POINT: > 150°C
 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: 1.1 g/cm³
 SPECIFIC GRAVITY: 1.1
 VISCOSITY: No data available
 MOLECULAR WEIGHT: No data available
 (VOC): < 10

10. STABILITY AND REACTIVITY

REACTIVITY: Yes
 HAZARDOUS POLYMERIZATION: May occur upon depletion of inhibitor.
 STABILITY: Stable
 CONDITIONS TO AVOID: Avoid temperatures exceeding 100F/38C and avoid contact with metal powders, metal salts and amines.
 POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.
 INCOMPATIBLE MATERIALS: Oxidizers, metal salts, heat, inert gases and amines.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Polyethylene Glycol Dimethacrylate	> 2000 mg/kg		
Acrylic acid	830 mg/kg (mouse)	640 mg/kg (rabbit)	> 5100 mg/L (4 hr Vapor/Aerosol)
2-HYDROXYETHYL METHACRYLATE	5564 mg/kg	> 3000 mg/kg	
Ethylene glycol	> 5000 mg/kg (rat)	10626 mg/kg (rabbit)	
Benzoquinone	130 mg/kg (rat)		
Cumene Hydroperoxide	382 mg/kg (rat)	133 mg/kg (rabbit)	220 ppm per 4 hr (rat)
Cumene	> 2000 mg/kg (rat)	10578 mg/kg (rabbit)	8000 ppm per 4 hr (rat)
Acetic Acid	6190 mg/kg		

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RESPIRATORY OR SKIN SENSITISATION: May cause sensitization by skin contact.

CARCINOGENICITY

Chemical Name	IARC Status
Acrylic acid	3
Benzoquinone	3

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Prevent product from entering drains or sewers in case of spill.

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

AIR (ICAO/IATA)

SHIPPING NAME: Not restricted

VESSEL (IMO/IMDG)

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:** Yes

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

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Benzoquinone	< 5	106-51-4

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Acrylic acid	5 - 10	5,000
Benzoquinone	< 5	10
Cumene Hydroperoxide	0.8 - 0.9	10
Cumene	0.02 - 0.155	5,000
Acetic Acid	≤ 0.000183	5,000

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Polyethylene Glycol Dimethacrylate	25852-47-5
Acrylic acid	79-10-7
2-HYDROXYETHYL METHACRYLATE	868-77-9
Ethylene glycol	107-21-1
Benzoquinone	106-51-4
Cumene Hydroperoxide	80-15-9
LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY	64742-82-1
Cumene	98-82-8
2- Butoxyethanol	111-76-2
Acetic Acid	64-19-7

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

CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to chemicals including 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.

Chemical Name	Wt.%	Listed
Ethylene glycol	< 5	Developmental Toxicity
Cumene	0.02 - 0.155	Cancer

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 09/26/2017

REVISION SUMMARY: This MSDS replaces the 01/19/2015 MSDS. Revised: **Section 1:** APPROVED BY, MSDS No, PREPARED BY, TITLE. **Section 2:** EMERGENCY OVERVIEW (PHYSICAL APPEARANCE), POTENTIAL HEALTH EFFECTS (SKIN, INGESTION). **Section 3:** Wt.%. **Section 5:** FIRE EXPLOSION. **Section 8:** ENGINEERING CONTROLS. **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COEFF. OIL/WATER, COMMENTS, DENSITY, EVAPORATION RATE, FLAMMABLE LIMITS, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, MOLECULAR WEIGHT, PERCENT VOLATILE, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VAPOR PRESSURE, VISCOSITY, (VOC), . **Section 11:** ACUTE, IARC, NTP, OSHA, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY, STOT-SINGLE EXPOSURE, , SKIN CORROSION/IRRITATION. **Section 12:** ECOTOXICOLOGICAL INFORMATION, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) - Notes. **Section 13:** DISPOSAL METHOD. **Section 14:** ROAD AND RAIL (ADR/RID) - PROPER SHIPPING NAME SHIPPING NAME. **Section 15:** CALIFORNIA PROPOSITION 65, WHMIS CLASS.

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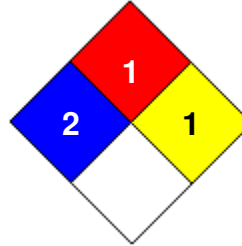


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HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		1
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES



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

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.