

## SAFETY DATA SHEET

**PACER**<sup>®</sup>  
**TECHNOLOGY**  
 INDUSTRIAL • PRIVATE LABEL



Date Prepared : 12/16/2014

MSDS No :

Date-Revised : 3/18/2015

Revision No : 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

## PRODUCT DESCRIPTION:

## 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:

Eye Irritation, Category 2

Target Organ Toxicity (Single exposure) - Narcotic Effects, Category 3

## Physical:

Flammable Liquids, Category 2

## GHS LABEL ELEMENTS

Exclamation  
mark

Flame

## SIGNAL WORD: DANGER

## HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

## PRECAUTIONARY STATEMENT(S)

## Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P271: Use only outdoors or in a well-ventilated area.

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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash skin and hands thoroughly after handling.

## Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313: Get medical advice/attention.

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P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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

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

**Storage:**

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

P405: Store locked up.

**Disposal:**

7944L5O1: Dispose of in a manner consistent with federal, state, and local regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Methyl ethyl ketone	60 - 80	78-93-3
Polystyrene resin	20 - 40	9003-53-6

**4. FIRST AID MEASURES**

**EYES:** Flush eye with water for 15 minutes. Get medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If swallowed, do not induce vomiting. Do not give anything to drink. Obtain immediate medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Causes eye irritation.

**SKIN:** Contact causes skin irritation.

**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:** May be harmful if swallowed.

**INHALATION:** May cause temporary dizziness, headache and possible nausea if used in poorly ventilated area.

**ACUTE TOXICITY:** Eye, skin and respiratory irritant.

**CHRONIC EFFECTS:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** GHS Flammable liquid, Category 2

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide or Halon extinguisher.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustible by-products of carbon monoxide and dioxide.

**EXPLOSION HAZARDS:** Vapors can travel to a source of ignition and flash back.

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

**SENSITIVE TO STATIC DISCHARGE:** None known.

**SENSITIVITY TO IMPACT:** None known.

**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. Vapors can travel to an ignition source.

**LARGE SPILL:** Remove all sources of ignition. Use spark-proof tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.

#### ENVIRONMENTAL PRECAUTIONS

**WATER 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.

**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:** None known.

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

**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:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

**HANDLING:** Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.

**STORAGE:** Store in a cool, well-ventilated area of low fire risk. Spray mist and vapors are flammable.

**STORAGE TEMPERATURE:** No data available on this product.

**LOADING TEMPERATURE:** No data available on this product.

**LOADING/UNLOADING VISCOSITY:** No data available on this product.

**STORAGE PRESSURE:** No data available on this product.

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**SPECIAL SENSITIVITY:** None known.

**ELECTROSTATIC ACCUMULATION HAZARD:** None known.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Observe limits for Methyl Ethyl Ketone - OSHA PEL = 200ppm; ACGIH TLV = 200ppm.

### 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:** Safety glasses, neoprene gloves and protective apron are recommended for use.

**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:** Wash with soap and water. Get medical attention if irritation develops or persists.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Flammable liquid and vapor.

**ODOR:** Characteristic odor, intensely irritating.

**ODOR THRESHOLD:** Not Established

**APPEARANCE:** Transparent, colorless liquid.

**COLOR:** Clear, transparent.

**pH:** Not Established

**PERCENT VOLATILE:** No data available on this product.

**FLASHPOINT AND METHOD:** -6°C (21°F) CC - Closed Cup

**FLAMMABLE LIMITS:** 1.7% to 10%

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** 78 mmHg at 20°C (68°F)

**VAPOR DENSITY:** > 1 (Air=1)

**BOILING POINT:** 79°C (174°F) to 87°C (189°F)

**FREEZING POINT:** No data available on this product.

**MELTING POINT:** No data available on this product.

**POUR POINT:** No data available on this product.

**THERMAL DECOMPOSITION:** No data available on this product.

**SOLUBILITY IN WATER:** 18.9 % at 23°C (73°F)

**EVAPORATION RATE:** < 1 (n-Butyl Acetate=1)

**SPECIFIC GRAVITY:** 0.877 (water=1)

**VISCOSITY #1:** 700 to 900 Centipoise

**(VOC):** 614.000 g/L

**COEFF. OIL/WATER:** No data available on this product.

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## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.

**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:** Strong acids and alkalis, reactive metals and strong oxidizing agents.

**COMMENTS:** REACTIVITY: No dangerous reaction known under conditions of normal use.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE

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

**DERMAL LD<sub>50</sub>:** No data available on this product.

**SKIN ABSORPTION:** No data available on this product.

**ORAL LD<sub>50</sub>:** No data available on this product.

**INHALATION LC<sub>50</sub>:** No data available on this product.

## NOTES:

<u>CHEMICAL</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA carcinogen</u>	<u>LD50 oral rat</u>	<u>LC50 inhalation</u>	<u>LD50 dermal</u>	<u>Health Effect /Target Organs</u>
Methyl ethyl ketone	No	No	No	2,727 mg/kg	(mouse)-4hr 32,000 mg/m <sup>3</sup>	(rabbit) 6,480 mg/kg	Irritant/ eye, skin, respiratory
Polystyrene resin	Group 3	No	No	No data	No data	No data	No known health effect

**EYE EFFECTS:** Mildly to moderately irritating.

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

**CHRONIC:** Repeated exposure may cause skin dryness or cracking.

**SUBCHRONIC:** None known.

## CARCINOGENICITY

**Notes:** See chart - acute notes.

**IRRITATION:** May cause eye irritation, skin irritation and irritation of respiratory tract.

**CORROSIVITY:** None known.

**SENSITIZATION:** None known.

**NEUROTOXICITY:** None known.

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**GENETIC EFFECTS:** None known.  
**REPRODUCTIVE EFFECTS:** None known.  
**TARGET ORGANS:** See chart - Acute notes.  
**TERATOGENIC EFFECTS:** None known.  
**MUTAGENICITY:** None known.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Avoid runoff into storm sewers and ditches which lead to waterways.  
**ECOTOXICOLOGICAL INFORMATION:** No data available on this product.  
**BIOACCUMULATION/ACCUMULATION:** No data available on this product.  
**AQUATIC TOXICITY (ACUTE):** 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:** UN1133, Adhesives containing flammable liquid, 3, II, LTD. QTY.

## AIR (ICAO/IATA)

**SHIPPING NAME:** ID8000 Consumer Commodity, 9, label (<30 kg/box)

## VESSEL (IMO/IMDG)

**SHIPPING NAME:** UN1133, Adhesives containing flammable liquid, 3, II, LTD. QTY.

## 15. REGULATORY INFORMATION

## UNITED STATES

## SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

**313 REPORTABLE INGREDIENTS:** Section 313: Methyl ethyl ketone.

## EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Methyl ethyl ketone	60 - 80	78-93-3

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

Chemical Name	Wt.%	CERCLA RQ
Methyl ethyl ketone	60 - 80	5,000

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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**CALIFORNIA PROPOSITION 65:** No California Proposition 65 ingredients are known to be in this product.

## CANADA

## WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable  
Liquid



Toxic

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product is a WHMIS controlled substance.-[REG011]

**WHMIS CLASS:** Class B2 - Flammable Liquid, D2B - Toxic.

## 16. OTHER INFORMATION

**TITLE:** Regulatory Affairs Manager

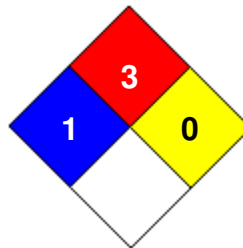
**PREPARED BY:** Mary Robles **Date-Revised:** 3/18/2015

**REVISION SUMMARY:** This MSDS replaces the 3/18/2015 MSDS.

## HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	3
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.