

SAFETY DATA SHEET



Date Prepared : 5/5/2015
 MSDS No :
 Date-Revised : 5/27/2015
 Revision No : 3

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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 1

Skin Irritation, Category 1

GHS LABEL ELEMENTS

Non-Hazardous per vendor information.



Flame



Skull and
crossbones



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H226: Flammable liquid and vapour.

H316: Causes mild skin irritation.

H320: Causes eye irritation.

H333: May be harmful if inhaled.

H336: May cause drowsiness or dizziness.

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:

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

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

SAFETY DATA SHEET



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P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 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.
 P332+P313: If skin irritation occurs: Get medical advice/attention.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P402+P404: Store in a dry place. Store in a closed container.

Disposal:

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

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Yellow liquid with a ketone odor.

POTENTIAL HEALTH EFFECTS

EYES: Irritating to eyes.

SKIN: Irritation occurs upon direct contact.

INHALATION: Remove to fresh air. Obtain immediate medical attention if breathing is difficult.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Methyl ethyl ketone (MEK)	5 - 20	78-93-3
Acetone	5 - 20	67-64-1
Toluene	5 - 20	108-88-3
Hexane	5 - 20	110-54-3

4. FIRST AID MEASURES

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

SKIN: Remove contaminated clothing and wash affected areas with soap and water.

INGESTION: Do Not induce vomiting. Contact physician at once.

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: Causes skin irritation. Allergic reactions are possible.

INGESTION: May cause slight irritation.

INHALATION: May cause slight irritation.

ACUTE TOXICITY: Causes skin irritation. Allergic reactions are possible.

CHRONIC EFFECTS: May cause skin sensitization

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5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: GHS Flammable liquid, Category 3

EXTINGUISHING MEDIA: Dry chemical, foam, or carbon dioxide

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide/dioxide and hydrocarbons

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

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

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.

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: Scoop up with non-sparking tools. Place into container for disposal. Prevent run-off to sewers, streams, or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER 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.

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

AIR SPILL: No data available

7. HANDLING AND STORAGE

HANDLING: Use in a well-ventilated area. Avoid breathing vapors. Avoid eye and skin contact. Wash hands well with soap & water after use. Keep container tightly closed when not in use. Do not cut, puncture, or weld on or near empty container.

STORAGE: Store in dry, cool area. Do not expose containers to direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET



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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Toluene	TWA	100 ppm ^[1]	375 mg/m ³ ^[1]	20 ppm ^[2]	NL ^[2]
	STEL	150 ppm ^[1]	560 mg/m ³ ^[1]		
Hexane	TWA	500 ppm ^[1]	1800 mg/m ³ ^[1]	50 ppm ^[2]	180 mg/m ³ ^[2]
OSHA TABLE COMMENTS:					
1. OSHA					
2. ACGIH-TLV					

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses/goggles with side shields.**SKIN:** Rubber gloves and apron**RESPIRATORY:** Fresh air source or mechanical, as needed

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild Ketone odor.**ODOR THRESHOLD:** No data available**APPEARANCE:** Yellow liquid**COLOR:** Yellow**pH:** No data available**PERCENT VOLATILE:** No data available**FLASHPOINT AND METHOD:** < -18 °C TCC**FLAMMABLE LIMITS:** No data available**AUTOIGNITION TEMPERATURE:** No data available**VAPOR PRESSURE:** ≥ 181 mm Hg**VAPOR DENSITY:** ≥ 2.68 (Air=1)**BOILING POINT:** 133 F**FREEZING POINT:** No data available**MELTING POINT:** No data available**THERMAL DECOMPOSITION:** No data available**SOLUBILITY IN WATER:** Negligible**EVAPORATION RATE:** 14.4 (n-Butyl Acetate=1)

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DENSITY: No data available
SPECIFIC GRAVITY: 0.88 g/L
VISCOSITY: No data available
MOLECULAR WEIGHT: No data available
(VOC): 3.760 lbs/gal
COEFF. OIL/WATER: No data available

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, and hydrocarbons
INCOMPATIBLE MATERIALS: Acids, Alkaline material, Amines, Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

SKIN EFFECTS: Repeated or prolonged skin contact may cause dermatitis in sensitive individuals

CARCINOGENICITY

Chemical Name	IARC Status
Toluene	3

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Possible water pollutant-avoid release to water drainage systems

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION): Consumer Commodity ORM-D, ID8000

AIR (ICAO/IATA): Consumer Commodity, Class 9, ID8000 (if under 30kg G, per box)

VESSEL (IMO/IMDG): Adhesives containing Flammable Liquids, N.O.S. (contains Acetone, Methyl Ethyl Ketone, Toluene, N-Hexane) Class 3, UN1133, PGII, LTD QTY

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SAFETY DATA SHEET



Date Prepared : 5/5/2015
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EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Hexane	5 - 20	110-54-3

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Methyl ethyl ketone (MEK)	5 - 20	5,000
Acetone	5 - 20	5,000
Toluene	5 - 20	1,000
Hexane	5 - 20	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Methyl ethyl ketone (MEK)	78-93-3
Acetone	67-64-1
Toluene	108-88-3

TSCA STATUS: All ingredients in this product are listed, or are exempt, for the TSCA Inventory list

CALIFORNIA PROPOSITION 65: WARNING! This product contains a chemical known in the state of California to cause cancer or other reproductive harm

Chemical Name	Wt.%	Listed
Toluene	5 - 20	● Developmental Toxicity

GENERAL COMMENTS: This ingredient is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372: Methyl Ethyl Ketone (78-93-3), Toluene (108-88-3), N-Hexane (110-54-3)

16. OTHER INFORMATION

APPROVED BY: Samantha Stouffer **TITLE:** Quality and Safety Manager

PREPARED BY: Emmanuel Mukund **Date-Revised:** 5/27/2015

REVISION SUMMARY: This MSDS replaces the 5/27/2015 MSDS.

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HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES

