

## SAFETY DATA SHEET



Date Prepared : 8/18/2015  
MSDS No :

## 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:

Acute Toxicity (Oral), Category 4  
Acute Toxicity (Inhalation), Category 3  
Serious Eye Damage, Category 2  
Target Organ Toxicity (Repeated exposure), Category 2  
Target Organ Toxicity (Single exposure) - Narcotic Effects, Category 3

## Physical:

Flammable Liquids, Category 2

## GHS LABEL ELEMENTS



Flame

Skull and  
crossbonesHealth  
hazard

## SIGNAL WORD: DANGER

## HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.  
H302: Harmful if swallowed.  
H331: Toxic if inhaled.  
H319: Causes serious eye irritation.  
H373: May cause damage to organs through prolonged or repeated exposure .  
H336: May cause drowsiness or dizziness.

## PRECAUTIONARY STATEMENT(S)

## Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P361: Remove/Take off immediately all contaminated clothing.  
P233: Keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P284: Wear respiratory protection.

**Response:**

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P370: In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.

**Storage:**

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

**Disposal:**

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

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Acetone	80 - 100	67-64-1
N,N-DIMETHYL-P-TOLUIDINE	1 - 10	99-97-8

**4. FIRST AID MEASURES**

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

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

**INGESTION:** If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

**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:** Symptoms may include tearing along with a severe burning sensation. Permanent damage to eye tissue likely if material is not removed quickly.

**SKIN:** Contact causes skin irritation.

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**SKIN ABSORPTION:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

**INGESTION:** Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

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

**ACUTE TOXICITY:** Potential for chemical pneumonitis. Call a doctor or poison control center for advice.

**CHRONIC EFFECTS:** Prolonged or repeated overexposure may cause central nervous system, kidney, liver, and lung damage.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** Extremely flammable

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

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

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

**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:** Treat as an extremely flammable liquid.

**SENSITIVE TO STATIC DISCHARGE:** Electrostatic charges may be generated during pumping. Ground all containers.

**SENSITIVITY TO IMPACT:** None Known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustible by-products of carbon monoxide/dioxide.

### 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:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**LAND SPILL:** None known

**AIR SPILL:** None known

**GENERAL PROCEDURES:** Remove all sources of ignition. Use spark-proof tools.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

**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

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may form.

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

**STORAGE TEMPERATURE:** Avoid temperatures exceeding 100F/38C and incompatible materials.

**LOADING TEMPERATURE:** Not Known

**LOADING/UNLOADING VISCOSITY:** Not Established

**STORAGE PRESSURE:** Not Known

**ELECTROSTATIC ACCUMULATION HAZARD:** See Section 5 regarding electrostatic charges.

## 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>
Acetone	TWA	1000 ppm	2400 mg/m <sup>3</sup>	500 ppm	No data available
	STEL	No data available	No data available	750 ppm	No data available
N,N-DIMETHYL-P-TOLUIDINE	TWA	0.50 ppm	No data available	No data available	No data available
	STEL	No data available	No data available	No data available	No data available

**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:** Nitrile rubber and PVC are not suitable protective materials; Neoprene is recommended.

**RESPIRATORY:** NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING:** Wear suitable protective clothing and gloves.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Ketone odor

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**ODOR THRESHOLD:** No data available

**APPEARANCE:**

**COLOR:**

**pH:** No data available

**PERCENT VOLATILE:** No data available

**FLASHPOINT AND METHOD:** (-4°F) TCC AUTOIGNITION

**TEMPERATURE:** No data available **VAPOR PRESSURE:**

No data available

**BOILING POINT:** (133°F)

**FREEZING POINT:** No data available

**MELTING POINT:** (-139°F)

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** 85 %

**EVAPORATION RATE:** 5.0 (n-Butyl Acetate=1)

**DENSITY:** No data available

**SPECIFIC GRAVITY:** 0.8 g/mL

**VISCOSITY:** No data available

**MOLECULAR WEIGHT:** No data available

**(VOC):** 5.000 %

**Notes:** (<42g/L)

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

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

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions are possible when exposed to incompatible materials such as nitrates, chlorine, ammonia, strong oxidizers, alkalis, and acids

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

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**COMMENTS:** REACTIVITY: Product may react if exposed to oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE**

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Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Acetone	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 5000 ppm/1 hr (rat)
N,N-DIMETHYL-P-TOLUIDINE	> 1650 mg/kg (rat)	> 2000 mg/kg (rat)	1.4 mg/L per 4 hr (rat)

**EYE EFFECTS:** Causes serious eye irritation with direct contact.

**SKIN EFFECTS:** Mild skin irritation.

**CARCINOGENICITY**

**IARC:** Not listed.

**NTP:** Not listed.

**OSHA:** Not listed.

**IRRITATION:** N,N-Dimethyl-p-toluidine: May cause skin irritation and irritation of the respiratory tract.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:**

This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of following all Local Authority requirements for disposal.

**PRODUCT DISPOSAL:** Dispose of following all Local Authority requirements for disposal.

**EMPTY CONTAINER:** Dispose of following all Local Authority requirements for disposal.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** UN1090, ACETONE, 3, II

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

**PROPER SHIPPING NAME:** UN1090, ACETONE, 3, II

**AIR (ICAO/IATA)**

**SHIPPING NAME:** UN1090, ACETONE, 3, II, RESTRICTED FOR AIR TRANSPORT

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** UN1090, ACETONE, 3, II

**CANADA TRANSPORT OF DANGEROUS GOODS**

**SHIPPING NAME:** N/A

## 15. REGULATORY INFORMATION

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## UNITED STATES

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

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

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

Chemical Name	Wt. %	CERCLA RQ
Acetone	80 - 100	5,000

CERCLA RQ: Acetone (CAS 67-64-1)

REPORTABLE SPILL QUANTITY: 5000 lbs

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acetone	67-64-1

TSCA STATUS: All chemicals in this product are listed in the TSCA inventory.

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the state of California to cause cancer. (Dimethyl-p-toluidine, CAS 99-97-8).

Chemical Name	Wt. %	Listed
N,N-DIMETHYL-P-TOLUIDINE	1 - 10	Cancer

## CANADA

## WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable  
Liquid

WHMIS CLASS: Class B2 - Flammable Liquid

## 16. OTHER INFORMATION

TITLE: Quality and Safety Manager

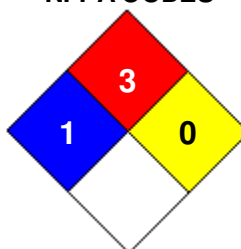
PREPARED BY: Samantha Stouffer

Date Prepared: 8/18/2015

## 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



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