

## SAFETY DATA SHEET



Date Prepared : 12/3/2007  
 MSDS No :  
 Date-Revised : 8/12/2015  
 Revision No : 7

## 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  
 Narcotic Effects, Category 3

## Physical:

Flammable Liquids, Category 2

## GHS LABEL ELEMENTS



Flame

Exclamation  
mark

## 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.  
 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.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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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.

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.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

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

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear to Light yellow

**IMMEDIATE CONCERNS:** Highly flammable. Irritating to eyes. Vapors may cause drowsiness or dizziness. Keep out of reach of children.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact may cause eye irritation.

**SKIN:** May cause skin irritation.

**INGESTION:** May irritate eyes and skin on contact. May cause stomach disturbance.

**INHALATION:** Excessive exposures to vapors in poorly ventilated area may cause headache, dizziness and drowsiness.

**ROUTES OF ENTRY:** Inhalation, ingestion and skin absorption are major routes of entry.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
2-Propanol	85 - 98	67-63-0
N,N-DIMETHYL-P-TOLUIDINE	< 2	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:** Rinse mouth with water if conscious. Do NOT induce vomiting. Get immediate medical attention.

**INHALATION:** Remove to fresh air. Get medical attention if breathing is difficult.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**ACUTE TOXICITY:** Irritation, burning of eyes/nose; liquid will damage eye tissues.

**CHRONIC EFFECTS:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

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**ANTIDOTES:** No specific antidote, thus, overexposure is best treated through control of symptoms.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use dry chemical, foam or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Trace amounts of toxic fumes of carbon monoxide or carbon dioxide.

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

**FIRE EXPLOSION:** Product is Flammable. Respiratory protection required for firefighters. Stay upwind from fire if possible when fire-fighting.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide or carbon dioxide.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike area, extinguish all ignition sources, ground handling equipment.

**LARGE SPILL:** Wear self-contained breathing equipment and protective clothing/glasses/apron/boots, disposing into DOT approved waste containers, which should have air space above the product. Keep out of sewers/drains/surface water and soil. Residues require similar disposal.

#### ENVIRONMENTAL PRECAUTIONS

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

### 7. HANDLING AND STORAGE

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

**STORAGE:** Keep away from heat, sparks and flame, sunlight and ignition sources. Do not place in direct sunlight or allow contamination with incompatible materials. Do not return any used material to storage container. Keep tightly capped.

**STORAGE TEMPERATURE:** 30°C (86°F)

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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## 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>
2-Propanol	TWA	400 ppm	980 mg/m <sup>3</sup>	200 ppm	490 mg/m <sup>3</sup>
	STEL	No data available	No data available	400 ppm	960 mg/m <sup>3</sup>
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

## 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:** Wear suitable protective clothing and gloves.

**RESPIRATORY:** In case of insufficient ventilation, wear suitable respiratory equipment.

**WORK HYGIENIC PRACTICES:** Wash hands with soap and water after use. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**PHYSICAL STATE COMMENTS:** Water-white to straw colored liquid with mild odor.

**FLASHPOINT AND METHOD:** 12°C (53.6°F) TCC

**FLAMMABLE LIMITS:** 2% to 12%

**VAPOR PRESSURE:** mmHg at 38°C (100.4°F)

**VAPOR DENSITY:** 2.1 (Air=1)

**BOILING POINT:** 82°C (179.6°F) to 92°C (197.6°F)

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** 1.7 (n-Butyl Acetate=1)

**SPECIFIC GRAVITY:** 0.79 @ 65°C/4°C

**VISCOSITY #1:** < 10 Centipoise

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Avoid heat, sparks and open flames. Storage over 30C or freezing temperatures.

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**HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic fumes of carbon monoxide and carbon dioxide.

**INCOMPATIBLE MATERIALS:** Strong acids, aluminum, acetaldehyde, chlorine, ethylene oxide, hydrogen palladium, hydrogen peroxide-sulfuric acid, isocyanates, nitro form, phosgene, alkalis, amines, halogens, anhydrides.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
2-Propanol	5045 mg/kg (rat)	12800 mg/kg (rabbit)	16000 mg/L pre 8 hr (rat)
N,N-DIMETHYL-P-TOLUIDINE	> 1650 mg/kg (rat)	> 2000 mg/kg (rat)	1.4 mg/L per 4 hr (rat)

**DERMAL LD<sub>50</sub>:** Prolonged or repeated skin contact may cause irritation.

**EYE EFFECTS:** Irritating to eyes.

**SKIN EFFECTS:** Irritating to skin.

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

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Avoid runoff into storm sewers and ditches which lead to waterways.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** S60: This material and its container must be disposed of as hazardous waste.

**FOR LARGE SPILLS:** 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.

## 14. TRANSPORT INFORMATION

## DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Consumer Commodity, ORM-D (ground) or Consumer Commodity, ORM-D Air.

## AIR (ICAO/IATA)

**SHIPPING NAME:** Flammable liquids, NOS, contains Isopropyl alcohol.

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** II

**SPECIAL PROVISIONS:** <25 kg Gross Wt: Consumer commodity, Class 9, ID8000, Packaging instructions 910.

## VESSEL (IMO/IMDG)

**SHIPPING NAME:** Flammable liquids, NOS, contains Isopropyl alcohol.

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UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

SPECIAL PROVISIONS: Packing instructions Y305.

## 15. REGULATORY INFORMATION

## UNITED STATES

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

## EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
2-Propanol	85 - 98	67-63-0

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
2-Propanol	67-63-0

**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	< 2	Cancer

## CANADA

## WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable  
Liquid



Toxic

Class B2- Flammable Liquids.

Class D2B - Toxic Materials.

## 16. OTHER INFORMATION

REASON FOR ISSUE: Addition of risk and safety phrases.

APPROVED BY: Mary Robles TITLE: Regulatory Affairs Manager

Date-Revised: 8/12/2015

REVISION SUMMARY: This MSDS replaces the 6/15/2015 MSDS. Revised: **Section 15: CALIFORNIA PROPOSITION 65.**

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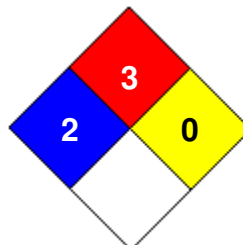
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## HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

## NFPA CODES



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