

SAFETY DATA SHEET



Date Prepared : 4/27/2015

MSDS No :

Date-Revised : 8/5/2015

Revision No : 6

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:

Acute Toxicity (Oral), Category 4
Acute Toxicity (Inhalation), Category 3
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1A
Target Organ Toxicity (Repeated exposure), Category 2

Environmental:

Flammable Aerosols, Category 1

GHS LABEL ELEMENTS

Not a hazardous substance or mixture.



Flame



Gas cylinder

Skull and
crossbonesHealth
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H222: Extremely flammable aerosol.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H331: Toxic if inhaled.
59479KRY: May cause cancer.

PRECAUTIONARY STATEMENT(S)

Prevention:

P11: Restricted to professional users.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment.

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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.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P284: Wear respiratory protection.
 P361: Remove/Take off immediately all contaminated clothing.
 P363: Wash contaminated clothing before reuse.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331: Do NOT induce vomiting.
 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.
 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.

Storage:

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, Colorless liquid

IMMEDIATE CONCERNS: Flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.

SKIN: Causes skin irritation. Allergic reactions are possible.

SKIN ABSORPTION: May be absorbed through the skin in harmful amounts.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged inhalation may be harmful.

CARCINOGENICITY: Possible cancer hazard - contains material which may cause cancer based on animal data.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye and skin disorders or lung allergies may be aggravated by exposure.

HEALTH HAZARDS: Prolonged or repeated inhalation may cause lung damage and/or central nervous system disturbances.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt. %	CAS
Solvent Naphtha, Aliphatic Petroleum	80 - 100	64742-89-8
N,N-DIMETHYL-P-TOLUIDINE	6 - 12	99-97-8
Propane/Isobutane	2 - 8	68476-86-8
Xylenes (o-,m-,p- isomers)	2 - 6	1330-20-7
Ethyl benzene	1 - 3	100-41-4

COMMENTS: Naptha ingredient contains less than 0.1% by weight of benzene or benzol (CAS 71-43-2). Product contains a bittering agent to discourage ingestion.

4. FIRST AID MEASURES

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

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

INGESTION: If swallowed, seek medical advice immediately and show this container or label.

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 eye irritation.

SKIN: Substance causes moderate skin irritation.

INGESTION: R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

INHALATION: Signs and symptoms of excessive exposure may be central nervous system effects such as sleepiness and unconsciousness.

ACUTE TOXICITY: Avoid exposure to vapor concentration in confined areas.

CHRONIC EFFECTS: R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

ADDITIONAL INFORMATION: Product contains a bittering agent to discourage ingestion via drinking.

5. FIRE FIGHTING MEASURES

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

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.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.

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

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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.

GENERAL PROCEDURES: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SPECIAL PROTECTIVE EQUIPMENT: S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Solvent Naphtha, Aliphatic Petroleum	TWA	500 ppm	No data available	300 ppm	1370 mg/m ³
	STEL	No data available	No data available	No data available	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
Ethyl benzene	TWA	100 ppm	435 mg/m ³	(100) ppm	(434)
	STEL	No data available	No data available	125	543

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

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 appropriate rubber gloves

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.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling.

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OTHER USE PRECAUTIONS: S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: FLAMMABLE LIQUID

ODOR: Characteristic odor, intensely irritating.

ODOR THRESHOLD: No data available

APPEARANCE: Clear to pale yellow

pH: No data available

PERCENT VOLATILE: No data available

FLASHPOINT AND METHOD: 14°C (57°F) TAG CC

FLAMMABLE LIMITS: 1.0 % to 7.0 %

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: 30 mmHg at 38°C (100°F)

VAPOR DENSITY: 3.8 (Air=1)

BOILING POINT: 113°C (235°F) to 140°C (284°F)

FREEZING POINT: No data available

MELTING POINT: No data available

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: 1.2 (n-Butyl Acetate=1)

DENSITY: No data available

SPECIFIC GRAVITY: 0.77 g/L

VISCOSITY #1: < 10 Centipoise

MOLECULAR WEIGHT: No data available

(VOC): 770.000 g/L

COEFF. OIL/WATER: No data available

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid temperatures exceeding 100F/38C and incompatible materials.

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

INCOMPATIBLE MATERIALS: Avoid strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

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Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Solvent Naphtha, Aliphatic Petroleum	> 8000 mg/kg (rat)	> 4000 mg/kg (rat)	3400 ppm per 4 hr (rat)
N,N-DIMETHYL-P-TOLUIDINE	> 1650 mg/kg (rat)	> 2000 mg/kg (rat)	1.4 mg/L per 4 hr (rat)
Xylenes (o-,m-,p- isomers)	No data available	No data availble	No data available
Ethyl benzene	3500 mg/kg (rat)	15433 mg/kg (rabbit)	No data available

DERMAL LD₅₀: > 4 mL/kg (rat)**ORAL LD₅₀:** > 8 mL/kg (rat)**INHALATION LC₅₀:** 3400 ppm/4hr (rat)**EYE EFFECTS:** Mildly to moderately irritating.**SKIN EFFECTS:** Mildly to moderately irritating.**CHRONIC:** Can cause severe central nervous system depression (including unconsciousness).**CARCINOGENICITY****IARC:** Ethylbenzene 2B.**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.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** CONSUMER COMMODITY, ORM-D.**OTHER SHIPPING INFORMATION:** Consumer Commodity ORM-D (not more than 1 liter).**AIR (ICAO/IATA)****SHIPPING NAME:** Consumer Commodity, ID 8000, Class 9 label. "Package Orientation" (Arrows Up), max. per unit 25 KG.G.**VESSEL (IMO/IMDG)****SHIPPING NAME:** Aerosols in Limited Quantity.**UN/NA NUMBER:** 1950**PRIMARY HAZARD CLASS/DIVISION:** 2.1**NOTE:** Aerosol, Class 2.1, UN1950, Limited quantity (not more than 1 liter).

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Section 313: Xylene, Ethylbenzene.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Xylenes (o-,m-,p- isomers)	2 - 6	1330-20-7
Ethyl benzene	1 - 3	100-41-4

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Xylenes (o-,m-,p- isomers)	2 - 6	100
Ethyl benzene	1 - 3	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Propane/Isobutane	68476-86-8

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

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Chemical Name	Wt.%	Listed
Solvent Naphtha, Aliphatic Petroleum	80 - 100	<ul style="list-style-type: none"> ● Cancer ● Female Reproductive ● Male Reproductive
N,N-DIMETHYL-P-TOLUIDINE	6 - 12	Cancer
Xylenes (o-,m-,p- isomers)	2 - 6	Cancer
Ethyl benzene	1 - 3	Cancer

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION

16. OTHER INFORMATION

APPROVED BY: Samantha Stouffer TITLE: Quality and Safety Manager

PREPARED BY: Emmanuel Mukund Date-Revised: 8/5/2015

REVISION SUMMARY: This MSDS replaces the 5/18/2015 MSDS. Revised: Section 14: VESSEL (IMO/IMDG) - PRIMARY HAZARD CLASS/DIVISION.

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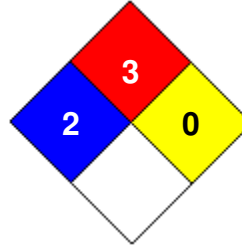
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HMIS RATING

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

NFPA CODES



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

MANUFACTURER DISCLAIMER:

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