

SAFETY DATA SHEET

PACER
TECHNOLOGY
INDUSTRIAL • PRIVATE LABEL



Date Prepared : 4/5/2012

MSDS No :

Date-Revised : 2/3/2015

Revision No : 5

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
crossbones



Health
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

FLAMMABLE CLASS: GHS Flammable liquid, Category 2

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.

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

LAND SPILL: None known.

AIR SPILL: None known.

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

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

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

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exposure. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products 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

ENGINEERING CONTROLS:

| <u>CHEMICAL</u> | <u>OSHA</u> | <u>ACGIH (TLV)</u> |
|--------------------------|--|--------------------|
| Acetone | 1000 ppm | 500 ppm |
| N,N-Dimethyl-p-toluidine | WEEL = Workplace Environmental Exposure Level = 0.5 ppm | |

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

APPEARANCE: Clear to light yellow liquid with ketone odor.

pH: Not Applicable

FLASHPOINT AND METHOD: -18°C TAG CC

FLAMMABLE LIMITS: 2.1% to 13%

VAPOR PRESSURE: 24.7 kPa at 20 °C (68°F)

VAPOR DENSITY: 2 (Air=1)

BOILING POINT: 56°C (133°F)

FREEZING POINT: Not Available

MELTING POINT: Not Available

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POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Completely miscible at 68F/ 20C.

EVAPORATION RATE: 5.6 (n-Butyl Acetate=1)

Notes: ASTM D 3539

DENSITY: Not Available

SPECIFIC GRAVITY: 0.8 (water=1)

VISCOSITY #1: < 5 Centipoise

MOLECULAR WEIGHT: 58.08 g/mol

(VOC): 800.000 g/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.

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

NOTES:

| <u>CHEMICAL</u> | <u>Oral Toxicity LD 50 (mg/kg)</u> | <u>Dermal Toxicity LD 50 (mg/kg)</u> | <u>Inhalation Toxicity LC50 (rat)</u> |
|--------------------------|--|--|---|
| Acetone | >2000 (rat) | >2000 (rabbit) | >5000 ppm/1 hr |
| N,N-Dimethyl-p-toluidine | 1650 (rat) | >2000 (rat) | 1.4 mg/L /4 hr |

EYE EFFECTS: Causes serious eye irritation with direct contact.

SKIN EFFECTS: Mild skin irritation.

CARCINOGENICITY

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IARC: Not listed.

NTP: Not listed.

OSHA: Not listed.

TARGET ORGANS:

| <u>Chemical</u> | <u>Health Effect</u> | <u>Target Organ</u> |
|--------------------------|--|-------------------------------------|
| Acetone | Aspiration hazard/Chemical pneumonitis | Ingestion/Blood, Respiratory system |
| N,N-Dimethyl-p-toluidine | Irritant/Dizziness, headache, nausea | Skin/Respiratory system |

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: LIMITED QUANTITY

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: LIMITED QUANTITY

AIR (ICAO/IATA)

SHIPPING NAME: ID8000, CONSUMER COMMODITY, 9 (not more than 30 kg G)

VESSEL (IMO/IMDG)

SHIPPING NAME: Acetone, 3, UN 1090, II.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: LIMITED QUANTITY

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

313 REPORTABLE INGREDIENTS: None known.

302/304 EMERGENCY PLANNING

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EMERGENCY PLAN: None known.

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 |
| N,N-DIMETHYL-P-TOLUIDINE | 99-97-8 |

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

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: None known.

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).

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable
Liquid

WHMIS CLASS: Class B2 - Flammable Liquid

16. OTHER INFORMATION

TITLE: Regulatory Affairs Manager

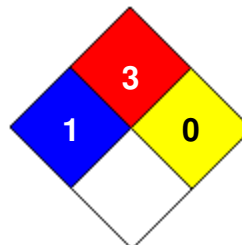
PREPARED BY: Mary Robles **Date-Revised:** 2/3/2015

REVISION SUMMARY: This MSDS replaces the 11/19/2014 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



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MANUFACTURER DISCLAIMER:

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