

SAFETY DATA SHEET

PACER
TECHNOLOGY
INDUSTRIAL • PRIVATE LABEL



Date Prepared : 10/04/2010

MSDS No : PT16-GHS

Date-Revised : 01/14/2015

Revision No : 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Z-7 DEBONDER 1OZ

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:**

Skin Irritation, Category 2

Eye Irritation, Category 2

Target Organ Toxicity (Single exposure), Category 3

Physical:

Flammable Liquids, Category 2

GHS LABEL ELEMENTS

Flame

Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.

P233: Keep container tightly closed.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+352: IF ON SKIN: Wash with plenty of soap and water.

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P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362: Take off contaminated clothing.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Disposal:

P501: Dispose of in a manner consistent with federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acetone	> 80	67-64-1
Water	> 10	7732-18-5

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.

SKIN ABSORPTION: No data available on this product.

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 EFFECTS: Irritating to eyes, respiratory system and skin.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: GHS Flammable liquid, Category 2

GENERAL HAZARD: Flammable liquid and vapor.

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

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

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

SENSITIVITY TO IMPACT: No data available on this product.

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: Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

AIR SPILL: No data available on this product.

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

SPECIAL PROTECTIVE EQUIPMENT: Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

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 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: No data available on this product.

LOADING/UNLOADING VISCOSITY: No data available on this product.

SPECIAL SENSITIVITY: None known.

ELECTROSTATIC ACCUMULATION HAZARD: Take measures to prevent the buildup of electrostatic charge.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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ENGINEERING CONTROLS:

<u>CHEMICAL</u>	<u>OSHA</u>	<u>ACGIH (TLV)</u>
Acetone	1000 ppm	500 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

ODOR: Mild ketone odor.

ODOR THRESHOLD: No data available on this product.

APPEARANCE: Pink, viscous liquid.

COLOR: Pink.

pH: No data available on this product.

PERCENT VOLATILE: No data available on this product.

FLASHPOINT AND METHOD: -20°C (-4°F) TAG CC

FLAMMABLE LIMITS: 2.6% to 12.8%

AUTOIGNITION TEMPERATURE: No data available on this product.

VAPOR PRESSURE: 184 mmHg at 20 °C (68°F)

VAPOR DENSITY: 2 (Air=1)

BOILING POINT: 56°C (133°F)

FREEZING POINT: No data available on this product.

MELTING POINT: No data available on this product.

POUR POINT: No data available on this product.

THERMAL DECOMPOSITION: No data available on this product.

SOLUBILITY IN WATER: 85 wt% at 20°C (68 °F)

PARTITION COEFFICIENT: N-OCTANOL/WATER: No data available on this product.

EVAPORATION RATE: 5.0 n-Butyl Acetate=1

SPECIFIC GRAVITY: 0.8 (water=1)

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VISCOSITY #1: ~ 500 Centipoise
 (VOC): 800.000 g/L

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable

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

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

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

INCOMPATIBLE MATERIALS: Strong acids and alkalis, reactive metals and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

NOTES:

<u>CHEMICAL</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA carcinogen</u>	<u>LD50 oral rat</u>	<u>LC50 inhalation</u>	<u>LD50 dermal</u>	<u>Health Effect /Target Organs</u>
Acetone	No	No	No	5,800 mg/kg	(rat)-8 hr 50,100 mg/m ³	(guinea pig) 7,426 mg/kg	Irritant/eye, respiratory, skin

EYE EFFECTS: Causes serious irritation to eyes.

SKIN EFFECTS: Mild skin irritant.

CHRONIC: Repeated exposure may cause skin dryness or cracking.

SUBCHRONIC: No data available on this product.

CARCINOGENICITY

Notes: See chart - acute notes.

REPEATED DOSE EFFECTS: No data available on this product.

IRRITATION: May cause eye irritation, skin irritation and irritation of respiratory tract.

CORROSIVITY: No data available on this product.

SENSITIZATION: No data available on this product.

NEUROTOXICITY: No data available on this product.

GENETIC EFFECTS: No data available on this product.

REPRODUCTIVE EFFECTS: No data available on this product.

TARGET ORGANS: Inhalation may cause temporary dizziness, headache, possible nausea. Symptoms normally disappear when exposure ceases. Eye/skin contact may cause discomfort by defatting action of solvents.

TERATOGENIC EFFECTS: No data available on this product.

MUTAGENICITY: No data available on this product.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available on this product.
ECOTOXICOLOGICAL INFORMATION: No data available on this product.
BIOACCUMULATION/ACCUMULATION: No data available on this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
COMMENTS: Dispose of following all Local Authority requirements for disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: UN1090, ACETONE, 3, II
AIR (ICAO/IATA)
SHIPPING NAME: UN1090, ACETONE, 3, II
VESSEL (IMO/IMDG)
SHIPPING NAME: UN1090, ACETONE, 3, II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acetone	67-64-1
Water	7732-18-5

TSCA STATUS: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

CALIFORNIA PROPOSITION 65: No California Proposition 65 ingredients are known to be in this product.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION

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Flammable
Liquid

Toxic

WHMIS CLASS: Class B2 - Flammable Liquid, D2B - Irritant

16. OTHER INFORMATION

APPROVED BY: Mary Robles TITLE: Regulatory Affairs Manager

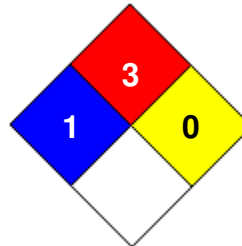
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REVISION SUMMARY: This MSDS replaces the 10/05/2010 MSDS. Revised: **Section 2:** EMERGENCY OVERVIEW (PHYSICAL APPEARANCE), IRRITANCY, MEDICAL CONDITIONS AGGRAVATED, PHYSICAL HAZARDS, POTENTIAL HEALTH EFFECTS (SKIN, INHALATION, INGESTION), ROUTES OF ENTRY, SENSITIZATION. **Section 3:** Wt.%. **Section 4:** ACUTE TOXICITY, SIGNS AND SYMPTOMS OF OVEREXPOSURE (SKIN ABSORPTION). **Section 5:** EXPLOSION HAZARDS, FIRE EXPLOSION, FLAMMABLE CLASS, HAZARDOUS COMBUSTION PRODUCTS, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 6:** AIR SPILL, LAND SPILL, SPECIAL PROTECTIVE EQUIPMENT. **Section 7:** ELECTROSTATIC ACCUMULATION HAZARD, LOADING TEMPERATURE, LOADING/UNLOADING VISCOSITY, SPECIAL SENSITIVITY, STORAGE PRESSURE. **Section 8:** ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT - PROTECTIVE CLOTHING. **Section 9:** AUTOIGNITION TEMPERATURE, COEFF. OIL/WATER, COLOR, FREEZING POINT, MELTING POINT, ODOR, ODOR THRESHOLD, PERCENT VOLATILE, pH, POUR POINT, THERMAL DECOMPOSITION. **Section 10:** POLYMERIZATION, STABILITY, POSSIBILITY OF HAZARDOUS REACTIONS. **Section 11:** ACUTE, CHRONIC, MUTAGENICITY, NEUROTOXICITY, REPRODUCTIVE EFFECTS, SENSITIZATION, SUBCHRONIC, TARGET ORGANS, TERATOGENIC EFFECTS, Notes, IRRITATION, CORROSIVITY, GENETIC EFFECTS, REPEATED DOSE EFFECTS. **Section 12:** ECOTOXICOLOGICAL INFORMATION, ENVIRONMENTAL DATA, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) - Notes. **Section 13:** COMMENTS. **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME. **Section 15:** ACUTE, CHRONIC, FIRE, REACTIVITY, TSCA STATUS, WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM), CALIFORNIA PROPOSITION 65, WHMIS CLASS.

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



MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Pacer Technology does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.