

MATERIAL SAFETY DATA SHEET

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Section 1

For Chemical Emergency Only:

PACER TECHNOLOGY	HAZARD RATING	In the US and Canada:	(800) 424-9300
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Rancho Cucamonga, CA 91730	1 x 0	Telephone for Information:	(909) 987-0550

PRODUCT IDENTIFICATION: Z-7 Debonder

Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components: (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Acetone (67-64-1)	750ppm	750ppm	1000ppm	95-100%

* This ingredient is listed in SARA III (40 CFR 355.2) as being hazardous.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point:	133 F	Specific Gravity (H2O=1):	0.842
Vapor Density (Air=1):	2.0	Melting Point:	-139 F
Vapor Pressure (mm Hg):	184mm (@ 20 C)	Evaporation Rate:	5.0 (Butyl Acetate = 1)
Solubility in Water:	85% by weight		
Appearance & Odor:	Pink turbid liquid with odor of ketones and floral fragrances.		

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method Used): -4 F (TCC) Flammable Limits: LEL: 2.6% UEL: 12.8%

Extinguishing Media: Carbon dioxide, dry chemical, "alcohol" foam, water spray or fog.

Special Fire Fighting Procedures: Firefighters should use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Treat as an extremely flammable liquid.

Section 5 - REACTIVITY DATA:

Stability: Unstable Stable XX Conditions to Avoid: Storage in open containers, exposure to heat or open flame.

Incompatible Materials to Avoid: Nitric acid plus acetic acid and nitric acid plus sulfuric acid.

Hazardous Decomposition or Byproducts: Normally none, however with incomplete combustion carbon monoxide can form.

Hazardous Polymerization: May Occur May Not Occur XX

Conditions to Avoid: Avoid exposure to heat or open flame.

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry:	Inhalation:	Skin:	Ingestion:
	LC50 = >32,000ppm/4hr	LD50 = 3.24g/kg	LD50 = 7.4g/kg

Health Hazards (Acute and Chronic):

Acute - irritation to eyes, nose and throat may cause headaches, dizziness, nausea and unconsciousness.

Chronic - possible affect to liver and kidneys.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

Signs and Symptoms of Exposure & First Aid Procedures:

Inhalation: Vapors can be irritating and deaden sense of smell after short time exposure, with prolonged exposure causing irritation to eyes, nose, throat. Remove to fresh air.

Eye contact: Irritation upon direct contact. Immediately flush eyes with water for 15 minutes. Get medical attention.

Skin contact: Irritation upon direct contact. Remove contaminated clothing. Wash affected area with water.

Ingestion: Wash out mouth with water provided person is conscious. Get medical attention.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin disorders.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Ventilate area and remove sources of ignition. Prevent skin contact and breathing vapors. Confine and remove with inert absorbent. Dispose in accordance with applicable federal, state, and local regulations. (Do not incinerate in closed containers).

Waste Disposal Method: CRA-EPA hazardous waste number U002. Must be disposed of either by burial at a chemical landfill or controlled burning by a licensed chemical waste facility in accordance with current local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing: Acetone is a very volatile and extremely flammable liquid. Keep away from any source of ignition such as heat, sparks and open flames. Ground all containers when transferring liquid, store tightly closed containers in a cool, well ventilated area. Do not eat or smoke in area where this product is handled.

Other Precautions: Emptied containers may contain product residues and should be disposed of as chemical waste.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): NIOSH approved organic vapor canister in absence of proper ventilated environment.

Ventilation: Local Exhaust: Good Mechanical (General): As needed.

Protective Clothing or Equipment: Neoprene gloves, safety glasses or goggles, protective clothing to avoid direct contact.

Work/Hygienic Practices: Avoid direct contact with eyes/skin. Wear protective safety equipment as necessary to minimize contact. Wash hands with soap and water and launder contaminated clothing before reuse.

NE = Not Established

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