

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for the specific requirements.

U. S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

IDENTIFY (As used on label)

Handibond USA, Debonder

NOTE: Blank spaces are not permitted. If any item is not applicable or no information is available; the space must be marked to indicate it.

Section I

Manufacturer's Name
Handibond USA

Emergency Telephone Number
1-866-688-3240

Address (Number, Street, City, State and ZIP Code)
91-229 Wahine Omao Way

Telephone Number for Information
(808) 683-3240

Ewa Beach, HI 96706

Date Prepared
04/10/09

Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specify Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended % Optional)

Acetone 67-64-1

50-70

Propylene carbonate 108-32-7

30-50

NE = Not Established

Section III – Physical/Chemical Characteristics

Boiling Point	133- 242 °F	Specific Gravity (H2O=1)	0.87- 0.95
Vapor Pressure (mmHg)	Not measured	Melting Point	NA
Vapor Density (AIR=1)	2.0 – 3.52	VOC	~40% or 368g/liter

Solubility in Water:
40-82%

Appearance and Odor:
Clear liquid. Ketone.

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) [5-10 °F (T.C.C.)]	Flammable Limits Acetone Propylene carbonate	LEL 2.5 % 4.7%	UEL 12.8 % NA
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Extinguishing Media:
CO2, foam, dry chemical.

Special Fire Fighting Procedures:
Self-contained breathing gear and protective clothing.

Unusual Fire and Explosion Hazards:
Direct water jet will spread burning material. Combustion products are toxic and irritating. Cool sealed drums with water spray to lessen chance of rupture.

Section V – Health Hazard Data

Threshold Limit Value:
Acetone: TWA 500PPM; STEL 1000PPM (ACGIH)

Effects of overexposure:

Ingestion: if significant quantity is ingested, can cause gastro-enteric irritation, Narcosis and injury to the kidney.

Inhalation: vapor concentrations above 2,500 ppm may cause nausea, headache, dizziness, convulsions and coma.

Skin and eyes: causes skin and eye irritation.

Emergency and First Aid Procedures:

Ingestion: do not induce vomiting. Keep individual calm. Obtain emergency medical attention. Inhalation: Remove to fresh air (Oxygen or artificial respirator if needed). Obtain medical attention.

Skin: Wash with soap and water.

Eyes: Flush eyes with plenty of water for at least 15 minutes. Contact a physician.

Section VI – Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to avoid) Strong oxidizers.			
Hazardous Decomposition Products: Combustion yields Carbon Monoxide and/or Carbon Dioxide.			
Hazardous Polymerization	May occur		Conditions to Avoid:
	Will not occur	X	
Section VII – Spill or Leak Procedures			
Steps to be taken in case material is to be released or spilled: Eliminate all sources of ignition in the spill area. Permit only properly protected workers with skin and eye protection and self-contained breathing gear. Absorb small spills with absorbent material. Pump large spills into salvage tanks. Treat as hazardous waste.			
Waste Disposal Method: RCRA hazardous waste U002 and D001. Incinerate in accordance with EPA and local regulations.			
Section VIII – Special Protective Information			
Respiratory Protection (Specify Type) Above TLV. NIOSH approved respirator.			
Ventilation		Local Exhaust Recommended	Special None
		Mechanical	Other None
Protective Gloves: Natural rubber or Neoprene gloves		Eye Protection: Protective glasses recommended.	
Other Protective Equipment: Protective plastic or rubber apron.			
Section IX – Special Precautions			
Precautions to be taken in handling and storing: Keep away from heat, sparks and flame. Store in a cool, dry place. Avoid contact with eyes. Avoid vapors.			
Other Precautions: Keep container closed when not in use. Keep in well, ventilated area.			
Section X – Regulatory Information			
All ingredients in this product are listed or exempt from listing on the TSCA inventory.			
Estimated HMIS Code: Health Hazard (2) Fire Hazard (3) Reactivity (0)			
Section XI – Transportation Information			
DOT (49 CFR 172)		UN#: 1090	
Proper Shipping Name: Acetone Solution		Packaging Group: II	
Hazard Classification: 3		Hazard Label Required: Flammable Liquid	
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