

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): CHEM CON ADHESIVE HARDENER

Description: Adhesive Hardener

DATE PREPARED / REVISED:

April 8, 1999

MANUFACTURER'S NAME:

Chemical Consultants, Inc.
1850 Wild Turkey Circle
Corona, CA 91720-1799

TELEPHONE NUMBER:

(909) 735-5511

II. COMPONENT SAFETY DATA

CHEMICAL NAMES	CAS Numbers	% RANGE	Exposure Limits in Air (give units)	
			ACGH TLV	OSHA PEL
Acetone	67-64-1	> 85 %	500 ppm - TWA 750 ppm - STEL	750 ppm - TWA 1000 ppm - STEL

III. PHYSICAL PROPERTIES

Specific Gravity at 77 degree F:	.793	Boiling Point:	133.0 F (56.1 C)
Vapor Pressure:	185 mmHg	pH:	not applicable
Specific Vapor Density:	> 1.00 @ AIR=1	Percent Volatiles:	100
Appearance and odor:	Liquid, homogeneous solution	Evaporation Rate:	Slower than Ethyl Ether
Liquid Density:	6.600 lbs./gal. @ 77.0 F		

IV. FIRE AND EXPLOSION

Flash Point / Method:	< -1.0 F (-18.3 C) / TCC
Auto ignition Temperature:	No data
Explosive Limit:	Lower 2.6% Upper 12.8%
Hazardous Products of Combustion:	Carbon dioxide and carbon monoxide, various hydrocarbons.
Appropriate Extinguishers:	Use foam, dry chemical and carbon dioxide.
Special fire fighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
Fire and explosion hazards:	Material is highly volatile and readily gives off vapors which may travel along the ground. May be ignited by pilot lights, sparks, heaters, electric motors, static discharge, or other ignition sources.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Small Spill:	Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.
Large Spill:	Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Prevent from entering drains, sewers, streams or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.
Disposal:	Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or sewer systems. For guidance, contact your state Water Board or Regional Office of the EPA.

NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.

VI. HEALTH HAZARD INFORMATION

- Inhalation:** Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Maintain concentration below recommended exposure limits.
- Skin Contact:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin.
- Eye Contact:** Can cause eye irritation. Symptoms include stinging, tearing, redness, and smelling of eyes.
- Swallowing:** Swallowing small amounts of this material is not likely to cause harmful effects. This material can get into the lungs during swallowing or vomiting.
- Symptoms of Exposure:** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache).
- Primary Route(s) of Entry:** Inhalation, skin absorption, skin contact, eye contact, ingestion.

FIRST AID PROCEDURES

- Inhalation:** If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.
- Eye:** If symptoms develop, flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.
- Skin:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.
- Swallowing:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth.

V. REACTIVITY DATA

- Stability:** Stable
- Incompatibility:** Avoid contact with: acids, strong oxidizing agents.
- Hazardous decomposition:** May form: carbon dioxide and carbon monoxide, various hydrocarbons.
- Hazardous polymerization:** Product will not undergo hazardous polymerization.

VIII. SPECIAL HANDLING PROCEDURES

- Ventilation and Engineering Controls:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).
- Respiratory Protections:** If workplace exposure limit(s) of product is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control.
- Eye Protection:** Chemical splash goggles in compliance with OSHA regulations are advised.
- Skin Protection:** Wear resistant gloves (Nitrile (Buna N)). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
- Handling:** Containers of this material may be hazardous when emptied. Containers should be grounded when material is transferred. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure.

X. REPORTING REQUIREMENT & ADDITIONAL INFORMATION

NFPA 704 Code System=Health 1; Flammability 3; Reactivity 0.

US Federal Regulations – TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ – 40 CFR 302.4(a)

Component	RQ (lbs.)
ACETONE	5000

SARA 313 Components – 40 CFR 372.65

None