MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): Adhesive Hardener (Aerosol)

Description: Adhesive Hardener (Aerosol)

DATE PREPARED/ REVISED:

October 29, 2004

MANUFACTURER'S NAME

Chemical Consultants, Inc.
1850 Wild Turkey Circle
Corona, CA 92880-1799 USA

PREPARER

J. Monte Ross

PHONE NUMBER:

(951)735-5511

II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	Exposure Limits in Air (give units) ACGH TLV	OSHA PEL	Other (specify)
Acetone	67-64-1	>75	500ppm	750ppm	
Hydrocarbon Propllant	68476-86-8	<30	800ppm	800ppm	

III. PHYSICAL PROPERTIES

Vapor density (air =1): ND
Specify gravity: .795
Solubility in water: Not Soluble
Vapor pressure, mmHg at 20 °C: >60PSI @65d.p.
Appearance and odor:
Aerosol Spray, Sweet odor.

Melting point or range, °F NA
Boiling point or range, °F (acetone) 133.0 F
Evaporation rate (butyl acetate =1): Slower than Ethyl Ether
pH (1% solution): NA

IV. FIRE AND EXPLOSION

Flash point, °F (give method): <-25 (TCC)
Auto ignition temperature, °F: No data
Flammable limits in air volume %: **lower (LEL)** 1.0 **upper (UEL)** 6.0
Fire extinguishing materials: **water spray** ___ **carbon dioxide** X **other** ___
foam X **dry chemical** X

Special fire fighting procedures:
Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used.

Unusual fire and explosion hazards:
Contents under pressure. Do not use or store near sources of heat, sparks or open flame. Keep away from any source of heat such as sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in garbage compactor. Do not store above 120 deg. F. Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air and may travel a long distance to a source of ignition and flashback.

V. REACTIVITY DATA

Stability: **Stable** X **Unstable** ___
Conditions to avoid:
Keep away from heat, flame and sparks.
Incompatibility (materials to avoid):
Strong oxidizing agents.
Hazardous decomposition products (including combustion products):
None expected under normal use conditions.
Hazardous polymerization: **May occur** ___ **Will not occur** X
Conditions to avoid:
Temperatures above 130 F

VI. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: 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: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, dryness and cracking of the skin., and skin burns. Passage of this material into the body through the skin is possible, but is unlikely that this would result in harmful effects during safe handling and use. EYES: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Swallowed: Small amounts of this product aspirated or vomiting may cause mild to severe pulmonary injury, possibly minimal toxicity.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: Explain in lay terms.

Acute: May cause mouth and throat irritation (soreness, dry or scratchy feeling, cough). Nausea, vomiting, diarrhea. Irritation of nose

Chronic:

FIRST AID EMERGENCY PROCEDURES:

Eye contact: If symptoms develop flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediate medical attention.

Skin contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.

Inhaled: If symptoms develop move the individual away from exposure and into fresh air. If symptoms persist seek medical attention. If breathing is difficult administer oxygen. Keep victim warm and quiet; seek medical aid.

Swallowed: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice. Do not leave individual unattended.

CARCINOGENICITY? YES: _____ NO: X

This product's ingredients are found in this list. Federal OSHA_____ NTP _____ IARC _____ ACGIH _____

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Remove all sources of ignition. Avoid heat flames and anything which could cause a fire. Ventilate area of spill and adjacent low-lying areas. Avoid breathing solvent vapors. Remove with inert absorbent materials and non-sparking tools.

Disposal Methods: Place in closed containers.

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

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): If workplace exposure limits are exceeded for any component (see section 2 for hazardous components and exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

Ventilation and engineering controls: Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below TLV's.

Eye protection (type): Chemical splash goggles with side shields of face shield are recommended if contact with eyes is likely

Gloves (specify material): Chemical resistant plastic or rubber gloves are recommended for prolonged or repeated contact.

Other clothing and equipment: Appropriate impervious clothing is recommended if prolonged or repeated contact is likely

Work practices, hygienic practices: Wash hands before eating or smoking. Smoke in designated areas only.

Other handling and storage requirements: Store away from ignition sources and in a cool dry area.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

NFPA 704 Code System Rating = Health 2; Flammability 3; Reactivity 0.
DOT Proper Shipping Name: ORM-D, Consumer Commodity.
Volatile Organic Compound (VOC)= NA