

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): AR-20
Description: Printing Belt Adhesive Remover

DATE PREPARED/ REVISED:

July 01, 2005

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)		Other (specify)
			ACGH TLV	OSHA PEL	
Citrus Terpenes	5989-27-5	>20	Not Est'd	Not Est'd	
Glycol Ethers	Mixture	<25	100 ppm	100 ppm	(recommended)
Petroleum Hydrocarbons	64742-47-8	<30	100 ppm	100 ppm	
Detergents	Mixture	<10	Not-Est'd	Not-Est'd	

III. PHYSICAL PROPERTIES

Vapor density (air =1): >1
Specify gravity: 0.8587
Solubility in water: Partial
Vapor pressure, mmHg at 20 °C: 3.0 calculated
Appearance and odor: Clear colorless liquid with slight pleasant smelling odor.

Melting point or range, °F: Unknown
Boiling point or range, °F: 315
Evaporation rate (butyl acetate =1): <1
pH (1% solution): 7.1

IV. FIRE AND EXPLOSION

Flash point, °F (give method): 124 (TCC)
Auto ignition temperature, °F: Unknown
Flammable limits in air volume %: lower (LEL) Unknown upper (UEL) Unknown
Fire extinguishing materials: water spray foam carbon dioxide dry chemical other _____

Special fire fighting procedures:

Caution. Combustible. Do NOT enter confined fire space without full bunker gear, including a positive pressure NIOSH approve self-contained breathing apparatus.

Unusual fire and explosion hazards:

Containers exposed to intense heat should be cooled with water to prevent vapor pressure build up, which could result in container rupture.

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:

Keep away from heat flames, and sparks

Incompatibility (materials to avoid):

Strong oxidizing agent and strong alkalis.

Hazardous decomposition products (including combustion products):

CO, CO₂, and unidentified organic compounds.

Hazardous polymerization: May occur _____ Will not occur

Conditions to avoid:

None known.

VI. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Mist may cause irritation of mucous membranes, nose eyes, and throat.

Skin: No effects expected due to contact. May cause irritation or dermatitis upon prolonged contact.

Swallowed: May cause irritation of mouth and throat. Nausea and gastric distress

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

Acute: Skin irritation, defatting of natural oils. Possible respiratory irritation.

Chronic: Vapors can be absorbed in toxic amounts with continued over exposure.

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Flush immediately with fresh water for at least 15 minutes. Contact a physician.

Skin contact: Remove contaminated clothing. Wash skin with soap and water if irritation occurs, seek medical aid.

Inhaled: Remove victim to fresh air. Provide oxygen breathing is difficult. Get medical aid

Swallowed: Do NOT induce vomiting. Drink large quantities of milk or water. Seek medical aid.

CARCINOGENICITY? YES: _____ NO:

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin conditions or respiratory problems.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Small spills may be wiped. Large spills should be diked and recovered. Eliminate all ignition sources.

Disposal Methods: EPA Hazardous substance reportable quantity: Not listed. May be supplied to an incineration or combustion plant. Not drain safe; do not use sewer for disposal. RCRA Class: Regulated.

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

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): None required under normal use conditions

Ventilation and engineering controls: Local exhaust to maintain below PEL

Eye protection (type): Chemical goggles.

Gloves (specify material): Nitrile gloves to prevent direct skin contact.

Other clothing and equipment: Adequate protective clothing to prevent skin contact.

Work practices, hygienic practices: Wash thoroughly after handling. Wash hands before eating and smoking.

Other handling and storage requirements: Store away from ignition sources. Combustible: keep soiled rags in a proper container.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

HMIS Code System Rating = Health 1; Flammable 2; Reactivity 0.

NFPA 704 Code System Rating = Health 1; Flammability 2; Reactivity 0.

Volatile Organic Compound (VOC) = 760 grams per liter (6.33 lbs. per gallon)

This product contains a chemical subject to the reporting requirements of SARA Title III, Section 313.

This product contains no Proposition 65 designated chemicals.