

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): HR-30
Description: Screen Wash/ Ink Degradent

DATE PREPARED/ REVISED:

June 15, 2005

MANUFACTURER'S NAME

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

PREPARER

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II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	Exposure Limits in Air (give units)		Other (specify)
			ACGH TLV	OSHA PEL	
Propylene Glycol Ethers	Mixture	<25	Not Est'd	Not Est'd	
d-Limonene	5898-27-5	<25	Not Est'd	Not Est'd	
Dibasic Acid Ester	1119-40-0	<35	Not Est'd	Not Est'd	
Detergents	Mixture	<5	Not Est'd	Not Est'd	

III. PHYSICAL PROPERTIES

Vapor density (air =1): >1
Specify gravity: 0.9799
Solubility in water: Partial
Vapor pressure, mmHg at 20 °C: 1.2(calc.)
Appearance and odor: Water thin liquid with slight amine like smell

Melting point or range, °F: Unknown
Boiling point or range, °F: 325
Evaporation rate (butyl acetate =1): <1
pH (1% solution): 7.2

IV. FIRE AND EXPLOSION

Flash point, °F (give method): 135(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 approved self-contained breathing apparatus. Do not put fire out unless flow feeding it can be safely stopped.

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. Combustible liquid. Vapors are heavier than air.

V. REACTIVITY DATA

Stability: Stable Unstable

Conditions to avoid:

Keep away from heat, flames sparks and ignition sources. Avoid contact with strong oxidizing agents

Incompatibility (materials to avoid):

Strong oxidizing agents, acids and reducing agents

Hazardous decomposition products (including combustion products):

Carbon monoxide, carbon dioxide.

Hazardous polymerization: May occur Will not occur

Conditions to avoid:

None known

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Mist may cause irritation of mucous membranes, nose eyes, throat. Coughing or difficulty in breathing

Skin: May cause irritation, redness, swelling or dermatitis in some individuals upon prolonged contact.

Swallowed: Gastric distress, nausea.

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

Acute: Skin irritation, defatting of natural oils to dermal area. Eyes: mild irritant blurred vision.

Chronic: None known.

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Flush immediately with fresh water for at least 15 minutes. If irritation persists get medical aid.

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

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

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-exisitng skin conditions

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Small spills may be wiped.

Contain large spills by diking.

Disposal Methods: RCRA Class: Regulated. EPA Hazardous substance reportable quantity: Not listed. May be supplied to a biological treatment plant or incinerated.

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: General ventilation recommended.

Eye protection (type): Safety glasses

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 hands thoroughly after contact and before eating.

Other handling and storage requirements: Store away from ignition sources. Combustible: keep soiled rags in a proper container
Store in cool dry place. Always keep container closed when not in use.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

Volatile Organic Compound (VOC) = 6.62 per gallon or 795 grams per liter.

All components in this product have been tested & listed in the TSCA inventory.

This product contains no chemicals subject to the reporting requirements of SARA Title III, Section 313.

Contains no Proposition 65 designated chemicals.

Non-photochemically reactive.

Contains no chlorinated or petroleum hydrocarbons.