

# MATERIAL SAFETY DATA SHEET

## I. GENERAL INFORMATION

TRADE NAME (as labeled): GR-17  
Description: Screen Wash/Ink Solubilizer

DATE PREPARED/ REVISED:

June 15, 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	
Propylene Glycol Ethers	Mixture	<10	Not Est'd	Not Est'd	
Diacetone Alcohol	123-42-2	< 4	50 ppm	50 ppm	
Pyrolidones	Mixture	>30	Not Est'd	Not Est'd	
Glycol Ethers	Mixture	<10	100 PPM	100 PPM	(Recommended)
Cyclohexanone	108-94-1	<3	25 PPM	25 PPM	
Detergents	Mixture	<10	Not Est'd	Not Est'd	

## III. PHYSICAL PROPERTIES

Vapor density (air =1): > 1  
Specify gravity: 1.012  
Solubility in water: 100%  
Vapor pressure, mmHg at 20 °C: 0.5 (calc)  
Appearance and odor: Yellow liquid with slight pleasant smelling odor.

Melting point or range, °F: Unknown  
Boiling point or range, °F: 335°F  
Evaporation rate (butyl acetate =1): <1  
pH (1% solution):

## IV. FIRE AND EXPLOSION

Flash point, °F (give method): 192 (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 NIOSH approved 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, flame and sparks.

### Incompatibility (materials to avoid):

Strong oxidizing agents and acids, and alkalis

### Hazardous decomposition products (including combustion products):

CO, CO<sub>2</sub>, 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:** May cause irritation of dermatitis in some individuals upon prolonged contact.

**Swallowed:** May cause irritation of mouth and throat. Nausea and vomiting.

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

**Acute:** Skin irritation, defatting of natural oils to dermal area.

**Chronic:** Vapors can be absorbed in toxic amounts with continued over exposure. Animal studies have disclosed a possible reproductive toxin.

### FIRST AID EMERGENCY PROCEDURES:

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

**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. Seek 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. Pre-existing respiratory conditions.

## VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

**Spill response procedures (include employee protection measures):** Absorb small spills onto suitable absorbent. Contain large spills by diking. Eliminate sources of ignition.

**Disposal Methods:** RCRA Class: Not regulated.

May be supplied to 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:** Local exhaust to maintain below PEL

**Eye protection (type):** Safety glasses.

**Gloves (specify material):** Neoprene 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.

**Other handling and storage requirements:** Store away from ignition sources.

## IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

Volatile Organic Compound (VOC) = 860 grams per liter or 7.16 lbs. per gallon

This product contains chemicals on the SARA Title III, Section 313 and 40 CFR/372, that are subject to reporting.

This product contains a Proposition 65 designated chemical.

Non-photochemically reactive.

Contains no chlorinated or petroleum hydrocarbons.