

# MATERIAL SAFETY DATA SHEET

## I. GENERAL INFORMATION

TRADE NAME (as labeled): GR-31  
Description: Screen Wash/ Ink Degradent

DATE PREPARED/ REVISED:

July 25, 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	
Dimethyl Esters	627-93-0	>20	Not Es'td	Not Es'td	
Detergents	Mixture	>5	Not Es'td	Not Es'td	
Esters	Mixture	>15	Not Es'td	Not Es'td	
Pyrolidones	Mixture	<10	Not Es'td	Not Es'td	
Glycol Ethers	Mixture	<10	100 PPM	100 PPM	(recommended)

## III. PHYSICAL PROPERTIES

Vapor density (air =1): >1  
Specify gravity: 1.1  
Solubility in water: 100%  
Vapor pressure, mmHg at 20 °C: 0.16  
Appearance and odor: Yellow liquid with slight pleasant smelling odor.

Melting point or range, °F: Unknown  
Boiling point or range, °F: 322  
Evaporation rate (butyl acetate =1): <1  
pH (1% solution):

## IV. FIRE AND EXPLOSION

Flash point, °F (give method): 205 (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.

### 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 sparks.

### Incompatibility (materials to avoid):

Strong oxidizing agents and alkalis.

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

CO, CO<sub>2</sub> & 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, throat.

**Skin:** May cause irritation or 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:** Over exposure may result in reversible blurred vision.

### 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:** 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: No data found.

## 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.

**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:** 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 skin with soap and water thoroughly after handling.

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

## IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

Volatile Organic Compound (VOC) = 546 grams per liter / 4.55 lbs.per gallon. Per method 24.

This product contains chemicals subject to the reporting requirements of SARA Title III, Section 313

This product contains a Proposition 65 designated chemical.

Chemical or Category: Pyrrolidone Cas Reg. No n/a Upper bound by weight 9%.

Non-photochemically reactive.

Contains no chlorinated or petroleum hydrocarbons.