

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): Pro Chem DC-Plus
Description: Emulsion for Silk Screens

DATE PREPARED/ REVISED:

February 26, 2002

MANUFACTURER'S NAME

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

PHONE NUMBER:

(909)735-5511

II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	Exposure Limits in Air (give units)		
			ACGH TLV	OSHA PEL	Other (specify)
Acrylate Polymer	Trade Secret	15-20			
Acrylate Monomer	141-32-2	0.1-0.3			

All ingredients of this product are listed on the TSCA Inventory

III. PHYSICAL PROPERTIES

Vapor density (air =1):	>1	Melting point or range, °F	NA
Specific gravity:	1.221	Boiling point or range, °F	Approx. 100 degrees C
Solubility in water:	Miscible	Evaporation rate (butyl acetate =1):	<1
Vapor pressure, mmHg at 20 °C:		pH (1% solution):	5.0-6.0
Appearance and odor:	Green liquid with a acrylate odor.	Viscosity at 25 degrees C:	6000-8000 cps

IV. FIRE AND EXPLOSION

Flash point, °F (give method): None to boiling
Auto ignition temperature, °F: None
Flammable limits in air volume %: lower (LEL) upper (UEL)
Fire extinguishing materials: water spray foam carbon dioxide dry chemical other _____

Special fire fighting procedures:

Use self contained breathing apparatus and appropriate protective clothing when fire or fire danger is present.

Unusual fire and explosion hazards:

None

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:

Heat and exposure to sunlight.

Incompatibility (materials to avoid):

Hazardous decomposition products (including combustion products):

CO, CO₂, and unidentified organic compounds.

Hazardous polymerization: May occur _____ Will not occur

Conditions to avoid:

Heat and exposure to sunlight.

VI. HEALTH HAZARD INFORMATION**SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.**

- Inhaled:** Excessive exposure may cause irritation to upper respiratory tract. A single prolonged exposure is not likely to be hazardous. Signs and symptoms of excessive exposure may be central nervous effect.
- Skin:** Prolonged or repeated exposure may cause skin irritation. A single prolonged exposure may result in the material being absorbed in harmful amounts.
- Swallowed:** Induce vomiting if large amounts are ingested. Consult medical personnel.

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

Acute: None Established

Chronic: None Established

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse. Destroy contaminated shoes.

Inhaled: Remove to fresh air. If not breathing, give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

Swallowed: Induce vomiting if large amounts are ingested. Consult medical personnel. Never give fluids or induce if patient is unconscious or having convulsions.

SUSPECTED CANCER AGENT? YES: _____ NO:

This product's ingredients are not found in this list. Federal OSHA _____ NTP _____ IARC _____

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Spillage should be contained by and covered with large quantities of sand, earth or similar absorbent material which is then brushed in, vigorously to assist absorption. The mixture can then be collected with a plastic shovel into drums or plastic bags and removed for disposal. Prevent from flowing into ground

Disposal Methods: Follow all relevant regulations for disposal.

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

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): Use an approved air purifying respirator. For emergency conditions use an approved positive pressure self contained breathing apparatus.

Ventilation and engineering controls: Local exhaust ventilation may be necessary for some operations

Eye protection (type):

Gloves (specify material):

Other clothing and equipment:

Work practices, hygienic practices:

Other handling and storage requirements: Store closed containers in a well-ventilated area. Do not store in sunlight. Ground all equipment.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION**TOXICOLOGY**

Threshold Limit Value: Butyl Acrylate 2ppm (1991-1991 ACGIH TWA)

LABELING: Irritant