

# MATERIAL SAFETY DATA SHEET

## I. GENERAL INFORMATION

**TRADE NAME (as labeled):** ProChem® PhotoBlue  
Description: Emulsion for Silk Screens

**DATE PREPARED/ REVISED:**

January 03, 2014

### MANUFACTURER'S NAME

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

**PREPARER**

H.S.D.

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## II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	ACGH TLV	OSHA PEL	Other (specify)
Vinyl Acetate Monomer	108-05-4	0.3-0.6	10 ppm		

Exposure Limits in Air (give units)

## III. PHYSICAL PROPERTIES

<b>Vapor density (air =1):</b>	NA	<b>Melting point or range, °F</b>	ND
<b>Specify gravity:</b>	1.05	<b>Boiling point or range, °F</b>	212
<b>Solubility in water:</b>	Miscible	<b>Evaporation rate (butyl acetate =1):</b>	<1
<b>Vapor pressure, mmHg at 20 °C:</b>	NA	<b>pH (1% solution):</b>	4-5

**Appearance and odor:**

Blue color with slight acetate odor. Viscosity = 15000 cp

## IV. FIRE AND EXPLOSION

**Flash point, °F (give method):** Not Flammable

**Auto ignition temperature, °F:** NA

**Flammable limits in air volume %:** lower (LEL) NA upper (UEL) NA

**Fire extinguishing materials:** water spray  foam  carbon dioxide  dry chemical  other \_\_\_\_\_

**Special fire fighting procedures:**

NA

**Unusual fire and explosion hazards:**

NA

## V. REACTIVITY DATA

**Stability:** Stable  Unstable \_\_\_\_\_

**Conditions to avoid:**

Heat and exposure to sunlight.

**Incompatibility (materials to avoid):**

None known.

**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:**

Heat and exposure to light.

**SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.**

**Inhaled:** Excessive exposure may cause irritation to upper respiratory tract or central nervous system effect.

**Skin:** Prolonged or repeated exposure may cause skin irritation.

**Swallowed:** Gastric distress, nausea.

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

**Acute:** Possible skin irritation.

**Chronic:** Possible allergic reaction.

**FIRST AID EMERGENCY PROCEDURES:**

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

**Skin contact:** Immediately flush eyes with fresh water for at least 15 minutes, remove contaminated clothing and shoes.

**Inhaled:** Remove to fresh air.

**Swallowed:** Induce vomiting if large amounts are ingested. Consult medical personnel.

**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.

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**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

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**Spill response procedures (include employee protection measures):** Absorb small spills onto sand or other material. Large spills should be diked and recovered.

**Disposal Methods:** Hardened material may be land filled.

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

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**VIII. SPECIAL HANDLING PROCEDURES**

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

If respiratory irritation is experienced, use an approved air-purifying respirator

**Ventilation and engineering controls:** General ventilation recommended.

**Eye protection (type):** Chemical goggles/ 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 hands thoroughly after handling. Wash hands before eating or smoking.

**Other handling and storage requirements:** Protect from freezing.

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**IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION**

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

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

Volatile Organic Compound (VOC) = none

The components in this product are all listed under TSCA.