

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): ProChem 450S
Description: Press / Recirculating Screen Cleaner

DATE PREPARED/ REVISED:

April 21, 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	
Terpenes	5989-27-5	< 35	Not Est'd	Not Est'd	
Dibasic Acid Ester	Mixture	< 5	Not Est'd	Not Est'd	
Propylene Glycol Ethers	Mixture	< 15	100 PPM	100 PPM	
Citrus Terpene / Hydrocarbon	Mixture	< 20	100 PPM	100 PPM	
Methyl Ester (Soy)	Mixture	< 30	Not Est'd	Not Est'd	

III. PHYSICAL PROPERTIES

Vapor density (air =1): >1
Specify gravity: .906
Solubility in water: Partial
Vapor pressure, mmHg at 20 °C: < 15
Appearance and odor:
Yellow liquid with citrus odor.

Melting point or range, °F NA
Boiling point or range, °F > 300°F
Evaporation rate (butyl acetate =1): <1
pH (1% solution): 7.2

IV. FIRE AND EXPLOSION

Flash point, °F (give method): 127
Auto ignition temperature, °F: Not tested
Flammable limits in air volume %:
Fire extinguishing materials: water spray lower (LEL) Unknown upper (UEL) Unknown
foam carbon dioxide other _____
dry chemical

Special fire fighting procedures:

Firefighters should wear full protective gear including self-contained breathing apparatus with full face shield operated in positive pressure mode.

Unusual fire and explosion hazards:

Combustible. posed to intense heat should be cooled with water to prevent vapor pressure build up, which could result in container rupture. Solvent impregnated rags or wipes should be kept in tightly closed containers.

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:

Keep away from heat, flame and sparks.

Incompatibility (materials to avoid):

Strong oxidizing agents, strong alkalis.

Hazardous decomposition products (including combustion products):

CO, CO₂, 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: No effect of exposure expected due to contact. May cause irritation or dermatitis in some individuals.

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 causing dryness and redness.

Chronic: None known.

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. Flush skin with fresh water.

Inhaled: Remove to fresh air.

Swallowed: Drink large quantities of water. Do not induce vomiting. 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.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Eliminate sources of ignition. Absorb large spills with absorbent materials. Use appropriate personal protection during clean up. Flush spill area with water.

Disposal Methods: May be incinerated. RCRA Class: Regulated. EPA hazardous reportable quantity: Not listed.

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

Eye protection (type): Chemical safety goggles.

Gloves (specify material): Nitrile gloves to prevent skin contact.

Other clothing and equipment: Adequate protective clothing to prevent skin contact.

Work practices, hygienic practices: Wash thoroughly after contact and before eating.

Other handling and storage requirements: Store away from ignition sources and in a cool dry area.

COMBUSTABLE: keep soiled rags in a proper container.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

Volatile Organic Compound (VOC) = 730 Gms/ Liter (6.09 lbs / gallon)

This product is in compliance with California SCAQMD Rule 1171 as a clean up material.

Non-photochemically reactive.

Components are present in this product under the chemical category of natural terpene and esters.