

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): ProChem ES-900
Description: Concentrated Emulsion Remover

DATE PREPARED/ REVISED:

July 01, 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	
Periodate Salt	7790-28-5	<10	Not Est'd	Not Est'd	
Periodic Acid	10450-60-9	<30	Not Est'd	Not Est'd	

III. PHYSICAL PROPERTIES

Vapor density (air =1): >1
Specify gravity: 1.15
Solubility in water: 100%
Vapor pressure, mmHg at 20 °C: NA
Appearance and odor:
Clear liquid with slight odor.

Melting point or range, °F Unknown
Boiling point or range, °F 210
Evaporation rate (butyl acetate =1): >1
pH (1% solution): 2.8

IV. FIRE AND EXPLOSION

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

Special fire fighting procedures:
None

Unusual fire and explosion hazards:
May ignite combustible materials on prolonged contact.

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:
Temperatures above 40°C. Protect from light.

Incompatibility (materials to avoid):
Reducing agents, acids, & combustible materials

Hazardous decomposition products (including combustion products):
Iodine

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: None Known.

Skin: Corrosive to skin causing burns

Swallowed: Harmful if swallowed causing severe nausea and vomiting

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

Acute: EYES: Corrosive to eye tissue causing pain. Skin: Corrosive to skin tissue causing burns.

Chronic: Dermatitis, eczema.

FIRST AID EMERGENCY PROCEDURES:

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

Skin contact: Remove contaminated clothing. Wash with soap and water. If irritation occurs, seek medical aid.

Inhaled: None

Swallowed: If victim is conscious and alert, give 2-4 glasses of water to drink. Induce vomiting. Never induce vomiting or give anything by mouth to unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.

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): Small spills may be wiped. Large spills

should be diked and recovered.

Disposal Methods: May be supplied to biological treatment plant.

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: None required.

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: Recommended storage temperature range: 40 degrees C.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

Volatile Organic Compound (VOC) = None

This product contains no chemicals subject to the reporting requirements of SARA Title III, Section 313.

This product contains no Proposition 65 designated chemicals.

Biodegradable, considered drain safe into all sewer systems.

Contains no chlorinated or petroleum hydrocarbons.

DOT Proper Shipping Name, Corrosive Liquids, N.O.S. (Contains Periodic Acid) 8, UN 1760, PGII