

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): GEM-ZYME
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	<15	Not Est'd	Not Est'd	

III. PHYSICAL PROPERTIES

Vapor density (air =1):	>1	Melting point or range, °F	27
Specify gravity:	1.045	Boiling point or range, °F	212
Solubility in water:	100%	Evaporation rate (butyl acetate =1):	<1
Vapor pressure, mmHg at 20 °C:	17.5 (Water)	pH (1% solution):	4

Appearance and odor:
Yellow liquid with slight odor.

IV. FIRE AND EXPLOSION

Flash point, °F (give method): None

Auto ignition temperature, °F: None

Flammable limits in air volume %: lower (LEL) None upper (UEL) None

Fire extinguishing materials: water spray _____ carbon dioxide _____ other _____
foam _____ dry chemical _____

Special fire fighting procedures:
None

Unusual fire and explosion hazards:
None

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:
None

Incompatibility (materials to avoid):
Reducing agents, caustic materials, bleach

Hazardous decomposition products (including combustion products):
None known.

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: May irritate skin

Swallowed: Will cause stomach irritation.

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

Acute: EYES: Moderate irritant. SKIN: May irritate.

Chronic: Dermatitis, eczema.

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Flush immediately with fresh water for at least 15 minutes. Contact a physician.

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

Inhaled: None.

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: Pre-existing skin conditions.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Small spills may be wiped. Large spills may be water rinsed and flushed to drain.

Disposal Methods: May be supplied to biological treatment plant. EPA hazardous substance RQ; Not listed.
RCRA Class: Not regulated.

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: Protect from freezing. PH at 1% = 4. Slightly acidic do not store in metal containers.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

This product contains no Proposition 65 designated chemicals.

Contains no chlorinated or petroleum hydrocarbons.

Non-photochemically reactive.

Biodegradable, considered drain safe into all sewer systems.