

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): H/C-100
Description: Ghost/Image Stain Remover

DATE PREPARED/ REVISED:

May 09, 2008

MANUFACTURER'S NAME

Chemical Consultants, Inc.
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PREPARER

H.S.D.

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II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	ACGH TLV	OSHA PEL	Other (specify)
Sodium Hydroxide	1310-73-2	<20	2 mg/m ³	2 mg/m ³	(dust or mist)

Exposure Limits in Air (give units)

III. PHYSICAL PROPERTIES

Vapor density (air =1):	>1	Melting point or range, °F	Unknown
Specify gravity:	1.215	Boiling point or range, °F	211
Solubility in water:	complete	Evaporation rate (butyl acetate =1):	>1
Vapor pressure, mmHg at 20 °C:	17.5	pH (1% solution):	12.33

Appearance and odor:
Thick paste-like white in color.

IV. FIRE AND EXPLOSION

Flash point, °F (give method): 215 (TCC)
Auto ignition temperature, °F: Not Tested
Flammable limits in air volume %: lower (LEL) Unknown upper (UEL) Unknown
Fire extinguishing materials: water spray foam carbon dioxide dry chemical other _____

Special fire fighting procedures:

Caution. Do NOT enter confined fire space without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus.

Unusual fire and explosion hazards:

When diluted with water spray, product can produce a slippery, alkaline run-off.

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:

Do not store close to oxidizers.

Incompatibility (materials to avoid):

Avoid contact with strong acids, organic materials, reactive metals such as aluminum, magnesium, and copper.

Hazardous decomposition products (including combustion products):

CO, CO₂ & 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: Inhalation of vapors or mists may cause respiratory irritation. May cause chemical burns to the respiratory tract.

Skin: May cause irritation or burns to the skin. Eye contact: Low concentrations of mists or vapors can be irritating, causing redness. Concentrated mists, vapors or splashed liquid can cause severe irritation, burns and possible permanent damage.

Swallowed: Ingestion may produce burns to the lips, mouth, upper airway, esophagus, and stomach. Will cause irritation of the digestive tract. Nausea. Intestinal burns possible.

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

Acute: Product is a strong alkaline and will cause chemical burns upon direct contact with eyes. Possible burns to the skin with prolonged contact.

Chronic: Prolonged contact can cause dermatitis.

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. Wash with soap and water. Seek medical attention if irritation persists.

Inhaled: Remove victim to fresh air. Provide oxygen if breathing is difficult. Seek medical aid.

Swallowed: Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. GET MEDICAL ATTENTION IMMEDIATELY.

CARCINOGENICITY? YES: _____ NO:

This product's ingredients are found in this list. Federal OSHA _____ **NTP** _____ **IARC** _____ **ACGIH** _____

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Severe irritant, particularly to pre-existing skin conditions.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Absorb small spills onto suitable absorbent. Contain large spills by diking. Flush spill area with water. Caution: spill area may be extremely slippery wear suitable protective clothing, boots, and eye protection.

Disposal Methods: May be supplied to biological treatment plant or incinerated.

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

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): None required under normal operating conditions. An appropriate NIOSH approved respirator with an organic vapor cartridge may be used.

Ventilation and engineering controls: Local exhaust to maintain below PEL

Eye protection (type): Safety glasses.

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

Other clothing and equipment: Rubber boots and apron

Work practices, hygienic practices: Wash skin with soap and water thoroughly after handling.

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

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

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

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

Volatile Organic Compound (VOC) = 194 grams per liter, (1.61 lbs/gallon)

DOT Proper shipping name: Corrosive liquids, N.O.S.(Contains Sodium Hydroxide), 8, UN1760, PGIII

This product contains no Proposition 65 designated chemicals.

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

Non-photochemically reactive.

Biodegradable, considered drain safe into all sewer systems.

Contains no chlorinated or petroleum hydrocarbons.