

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION	
NFPA Rating: Health-1; Flammability-2; Reactivity-0 Special	HMIS Rating: Health-1; Flammability-2 Reactivity-0; Personal Protection-B
Manufacturer's Name: Verax Chemical Company Address: 20102 Broadway Avenue. Snohomish, WA 98296	DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): HOT C Degreaser
Date Prepared: 03-10-2003 Prepared By: GP	MSDS Number: HOC Revision - 2
Information Calls: (425) 481-5353 EMERGENCY RESPONSE NUMBER: 1(800)637-7771	NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	HAZZARD	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
Sodium Hydroxide			2mg/cu. m.	2 mg/cu. m.	
Sodium Silicate			None	None	
Potassium Hydroxide				2 mg/cu. m.	
D-Limonene	Irritant				

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ca 220° F	Specific Gravity (H2O=1): 1.12
Vapor Pressure: PSIG @ 70°F (Aerosols): N/D	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D
Vapor Density (Air = 1): N/D	Evaporation Rate (= 1): N/A
Solubility in Water: Complete	
Appearance and Odor: Clear amber liquid. Mild citrus odor	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature N/D	Flammability Limits in Air by % in Volume: % LEL: N/D % UEL: N/D
FLASH POINT AND METHOD USED (non-aerosols): None	EXTINGUISHER MEDIA: Any appropriate medium for extinguishing surrounding fire.	
SPECIAL FIRE FIGHTING PROCEDURES: None		
Unusual Fire & Explosion Hazards: None.		

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
Incompatibility (Mat. to avoid): Concentrated acids.	Conditions to Avoid: None.
Hazardous Decomposition Products: Thermal decomposition may produce small quantities of carbon monoxide and/or carbon dioxide.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS	
ACUTE AND CHRONIC EFFECTS:	
Inhalation: Concentrated mists are extremely corrosive to the entire respiratory tract, increasing susceptibility to respiratory illness.	
Eye Contact: Concentrated solutions are extremely corrosive to the eyes. Brief contact may cause severe eye damage.	Skin Contact: Prolonged or repeated contact with concentrated solution may cause severe burns and lead to skin ulceration and scarring.
Ingestion: Swallowing may result in vomiting. Swallowing concentrate causes severe burning of the mouth, throat, and digestive tract accompanied by severe pain and vomiting.	
Signs and symptoms of exposure: Irritation of eyes, skin or respiratory tract.	
Medical Conditions Generally Aggravated by Exposure: Some individuals may exhibit a sensitivity or allergic reaction after contact with material.	

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with plenty of water for 15 minutes, lifting upper and lower lids. Seek medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing. Neutralize with dilute vinegar or lemon juice. Follow by washing with soap and water. If irritation persists, consult with a physician.

Inhalation: If affected, remove to fresh air and if not breathing, give artificial respiration, call a physician.

Ingestion: Do **NOT** induce vomiting. Drink large amount of water or milk, follow with dilute vinegar or fruit juice. Get medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): Use only in well ventilated areas or with respirator.

Protective Gloves: Rubber gloves.

Eye Protection: Splash Goggles or face shield.

Ventilation Requirements: None required in excess to normal ventilation.

Other Protective Clothing & Equipment: Long sleeved shirt, trousers safety shoes or rubber boots, rubber apron. Eyewash fountain. Do not wear clothes soaked by product.

Hygienic Work Practices: Wash after handling. Avoid food contamination.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Small spills should be flushed with plenty of water. Larger spills should be collected for disposal by approved methods. Caution: Spilled material may be slippery. Wear suitable protective clothing and eye protection to prevent skin and eye contact.

Waste Disposal Methods: Biodegradable. Flush to sewer or absorb with suitable medium and incinerate or landfill according to local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Keep out of reach of children. Do NOT use on aluminum, zinc, or other soft metals. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.

Other Precautions &/or Special Hazards: **KEEP OUT OF REACH OF CHILDREN.** Add slowly to cool water when making solutions. Read and follow label directions.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

****** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only