

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-3; Flammability-0; Reactivity-0; Special- Alkaline Manufacturer's Name: VERAX CHEMICAL CO. Address: 20102 Broadway Ave. Snohomish, WA 98296	HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-B DOT Hazard Classification: Corrosive Material Identity (trade name as used on label): COUNT DOWN Drain Opener
Date Prepared: 06/13/2001 Prepared By: JC Information Calls: (425) 481-5353 EMERGENCY RESPONSE NUMBER: 1(425)481-5353	MSDS Number: COD Revision: -2 NOTICE: JUDGEMENT 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)	Hazard	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
Sodium Hydroxide	Corrosive		2mg/m3 - Ceiling	2mg/m3 - Ceiling	
Sodium Silicate				None	
Potassium Hydroxide	Corrosive			2mg/m3 of air	
Detergent – Identity is trade secret – hazard: Irritant	Irritant				

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 220°F	Specific Gravity (H2O=1): 1.09
Vapor Pressure: PSIG @ 70°F (Aerosols): same as water	Vapor Pressure (mm Hg and Temperature): Similar to water
Vapor Density (Air = 1): N.D.	Evaporation Rate (water = 1): 1
Solubility in Water: Complete	Melting Point: NA
Appearance and Odor: Clear red liquid. Mild odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature: N/A	Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A
FLASH POINT AND METHOD USED (non-aerosols): None	EXTINGUISHER MEDIA: Will not burn	
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: Extreme heat or cold.
Hazardous Decomposition Products: Thermal decomposition may produce small amounts 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 EFFECTS: Concentrated solutions are extremely corrosive to the eyes. Brief contact may cause severe eye damage. Prolonged or repeated skin contact with concentrated solution may cause severe burns and lead to skin ulceration and scarring. Concentrated mists are extremely corrosive to the entire respiratory tract, increasing susceptibility to respiratory illness. Swallowing concentrate causes severe burning of the mouth, throat and digestive tract accompanied by severe pain and vomiting.	
CHRONIC EFFECTS: None Known.	
Carcinogens: None Known to be present	
Signs and Symptoms of Exposure: Eye or skin irritation. Respiratory irritation.	
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 water for 15 minutes while lifting eyelids. Get medical attention.
Skin Contact: Immediately flush with water while removing contaminated clothing. Neutralize with dilute vinegar or lemon juice. Follow by washing with soap and water. Launder clothing before re-use. Get medical attention.
Inhalation: Remove to fresh air. If not breathing give artificial respiration and call a physician.
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water or milk. Follow with dilute vinegar or fruit juice. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): Use only in well ventilated areas or with respirator.
Protective Gloves: Required. Eye Protection: Splash goggles or face shield.
Ventilation Requirements: Normal room ventilation is generally adequate.
Other Protective Clothing & Equipment: Eyewash fountain. Do not wear clothes soaked by product.
Hygienic/Work Practices: Ordinary good housekeeping procedures. Wash hands thoroughly after handling and before eating or using restroom facilities. Avoid food contamination. Read product directions before use.

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. 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: All normal precautions. Avoid food contamination.
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Spilled material may be slippery.

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