

H112104

IDENTITY AND DISTRIBUTOR'S INFORMATION						
NFPA Rating: Health-3; Flammability-0; Reactivity-0; Special-	HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-B					
Manufactured For: Hillyard Industries, Inc. Address: 302 N. 4 <sup>th</sup> Street Address: St. Joseph, MO 64501 Phone: (816)-233-1321 ext. 8285 or http://www.hillyard.com			DOT Hazard Classification: Corrosive Material, 8 Identity (trade name as used on label): <b>Drain Maintainer / #HIL0112104</b>			
EMERGENCY RESPONSE NUMBER: Chemtrec 1-800-424-9300 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			MSDS Number: R 993 Revision - 7 Date Prepared: 01/04/98 Prepared By: ES Information Calls: (770)422-2071			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source *
POTASSIUM HYDROXIDE		1310-58-3	No	2mg/m3	2mg/m3	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 100°C		Specific Gravity (H <sub>2</sub> O=1): 1.19				
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D				
Vapor Density (Air = 1): N/D		Evaporation Rate (water = 1): 1.0				
Solubility in Water: Miscible		Water Reactive: No				
Appearance and Odor: Clear, red, non-viscous liquid with bland 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): Non-Combustible		EXTINGUISHER MEDIA: Non-Combustible; use media appropriate to surrounding fire.				
SPECIAL FIRE FIGHTING PROCEDURES: Non-Combustible; use procedures appropriate to surrounding fire.						
Unusual Fire & Explosion Hazards: Contact with aluminum or other reactive metals may liberate explosive hydrogen gas.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [ X ] STABLE [ ] UNSTABLE		HAZARDOUS POLYMERIZATION [ ] WILL [ X ] WILL NOT OCCUR				
Incompatibility(Mat. to avoid): Acids, aluminum or other reactive metals, leather, wool.		Conditions to Avoid: None known.				
Hazardous Decomposition Products: Potassium oxide.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [ X ] INHALATION [ X ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
ACUTE EFFECTS: Corrosive to all body tissues with which it comes in contact.						
Inhalation: Airborne concentrations of mist or spray may cause damage to upper respiratory tract & even to lung tissue which could produce chemical pneumonia, depending on severity of exposure.						
Eye Contact: May cause severe burns that result in damage & even blindness. Skin Contact: May cause severe burns on prolonged contact.						
Ingestion: Can cause severe burns on mucous membranes of mouth, throat, esophagus and stomach.						
CHRONIC EFFECTS: Tissue damage depending on location & degree of exposure.						
Medical Conditions Generally Aggravated by Exposure: Dermatitis.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with large amounts of water for at least 15 minutes while holding lids apart. Get immediate medical attention.						
Skin Contact: Remove contaminated clothing & wash contaminated areas with plenty of water for 15 minutes. If tissue is damaged seek medical attention.						
Inhalation: Remove to fresh air. If not breathing, resuscitate & administer oxygen if available. Seek immediate medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water, milk if available. Never give anything by mouth to an unconscious person. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection(specify type):None required under normal handling & use.Use NIOSH/MSHA approved respirator where mist or spray may be generated.						
Protective Gloves: Rubber		Eye Protection: Chemical goggles.				
Ventilation Requirements: Normal room ventilation is generally adequate. Use adequate local exhaust ventilation where mist or spray may be generated.						
Other Protective Clothing & Equipment: Clothing as needed to minimize contact. Eyewash stations and safety shower.						
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash immediately on contact.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Contain spill. Do not contaminate sewer,ground or surface waters. Soak up spill in inert absorbant material & place in properly labeled leak-proof containers for proper disposal.						
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Protect from freezing. Shelf life one year.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Avoid bodily contact.						

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