MATERIAL SAFETY DATA SHEET

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

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: **Triple S** Address: 2 Executive Park Dr. Address: Billerica, MA 01862	**DOT Hazard Classification:** Corrosive Material, 8 **Identity** (trade name as used on label)**:** **Drain Maintainer 2**
Phone: 978-667-7900	**MSDS Number:** R 993 Revision - 7
EMERGENCY RESPONSE NUMBER: 1-800-255-3924 **NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA**	Date Prepared: 01/04/96 Prepared By: ES Information Calls: 978-667-7900

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: 100ºC	**Specific Gravity** (H2O=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 **SPECIAL FIRE FIGHTING PROCEDURES:** Non-Combustible; use procedures appropriate to surrounding fire.	**EXTINGUISHER MEDIA:** Non-Combustible; use media 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 absorbent 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

THIS MSDS IS CURRENT AS OF JANUARY 10, 2000. The DATE PREPARED section is the original date assembled and remains current until a change is necessary**.**