

MATERIAL SAFETY DATA SHEET

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

SECTION 1- PRODUCT AND MANUFACTURER'S INFORMATION

NFPA Rating: Health3; Flammability-0; Reactivity-1; Special-0		HMIS Rating: Health:3 Flammability-0; Reactivity-1; Personal Protection- B	
MANUFACTURED BY : MISSION LABORATORIES Address: 2433 BIRKDALE STREET LOS ANGELES, CA 90031		DOT Hazard Classification: CORROSIVE 8, UN1814, PG II Identity (trade name as used on label): LIQUIDATE CAUSTIC DRAIN OPENER	
Date Prepared: 3/20/13 Prepared By: DS		MSDS Number: F1550 Revision-	
Information Calls: (323) 223-1405 EMERGENCY RESPONSE NUMBER: (800) 535-5053		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	

SECTION 2 – HAZARDOUS 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 (50%) 22.00	1310-58-3	N/E	2MG/M3	2MG/M3	N/E

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: > 200 °F	Specific Gravity : 12077
Vapor Pressure: N/E Max.	pH of Product : 14.0
Vapor Density N/E	Evaporation Rate: N/E
Solubility in Water: SOLUBLE	Volatile Organic Content (VOC's) : 0 g/L
Appearance and Odor: CLEAR THIN PINK LIQUID	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST NON FLAMMABLE	Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: N/A
FLASH POINT AND METHOD USED (non-aerosols): N/A	EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.	
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards: TOXIC FUMES MAY BE EMITTED IF MATERIAL IS EXPOSED TO EXTREME TEMPERATURES.		

SECTION 5 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [] UNSTABLE	HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): VERY STRONG OXIDIZING AGENTS	Conditions to Avoid: KEEP AWAY FROM HEAT OR OPEN FLAME.
Hazardous Decomposition Products: Smoke, Carbon Monoxide, Carbon Dioxide and other Toxic Fumes.	

SECTION 6 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS	
ACUTE EFFECTS : None Known.	
Inhalation: Prolonged exposure to vapors may cause signs & symptoms of Central Nervous System Depression such as Headache, Dizziness, Weakness and Loss of Coordination. Vapor/Mist may result in irritation to the entire Respiratory Tract.	
Eye Contact: Contact with eyes may result in severe eye irritation and possible damage of the Corneal. Redness and Tearing.	Skin Contact: Prolonged or Repeated skin contact may result in skin irritation leading to Dermatitis. Defatting of skin may also occur.
Ingestion: Ingestion of this product may result in Gastrointestinal Irritation, Headache, Nausea, Vomiting and Diarrhea.	
CHRONIC EFFECTS: None Known.	
Medical Conditions Generally Aggravated by Exposure: None Known.	

SECTION 7- EMERGENCY FIRST AID PROCEDURES

Eye Contact: Remove contact lenses immediately. Flush eyes with plenty of water for at least 15 minutes. Get immediately medical attention.
Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.
Inhalation: Remove to Fresh Air. Give Oxygen or CPR. Get immediately medical attention.
Ingestion: Do not give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. Get immediately medical attention.

SECTION 8 – PERSONAL PROTECTION

Respiratory Protection (specify type): NONE NEEDED WITH GOOD VENTILATION.	
Protective Gloves: Neoprene or Rubber Gloves.	Eye Protection: SAFETY GLASSES OR MONOGOGGLES.
Ventilation Requirements: GOOD VENTILATION SHOULD BE MAINTAINED.	
Other Protective Clothing & Equipment: NONE	
Hygienic Work Practices: Do not mix this product with other chemicals. Toxic Fumes may be emitted.	

SECTION 9 – ACCIDENTAL RELEASE PROCEDURES

Steps To Be Taken If Material Is Spilled Or Released: KEEP UNNECESSARY PEOPLE AWAY. SPILLS ARE SLIPPERY. DIKE & CONTAIN WITH INERT ABSORBENT MATERIAL. COLLECT FOR DISPOSAL.
Waste Disposal Methods: CONSULT LOCAL AUTHORITY FOR ALTERNATE METHODS. OBSERVE ALL LOCAL, STATE & FEDERAL REGULATIONS.
Precautions To Be Taken In Handling & Storage: STORE IN A COOL WELL VENTILATED AREA AWAY FROM SPARK, HEAT AND OPEN FLAME.
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.

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