



Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fumeless
SYNONYMS: None
PRODUCT CODES: 100996
MANUFACTURER: Theochem Laboratories Inc
ADDRESS: 7373 Rowlett Park Drive
Tampa, FL 33610-1141

EMERGENCY PHONE: ChemTel: North America 1-800-255-3924
International: +01-813-248-0585

CHEMICAL NAME: Sodium Hydroxide
Potassium Hydroxide
CHEMICAL FAMILY: Bases
CHEMICAL FORMULA: NaOH, KOH
PRODUCT USE: Drain Cleaner
PREPARED BY: TGD
REVISION NUMBER: 1.1
MSDS REVISION DATE: 07/01/2010

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Components listed in this section may contribute to the potential hazards associated with exposure to the concentrate. The product may contain additional non-hazardous or trade-secret components.

INGREDIENT:

	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Sodium Hydroxide	1310-73-2	< 15 %	NA	No
Potassium Hydroxide	1310-58-3	< 10 %	NA	No
Sodium Hydroxide				
	<u>ppm</u>	<u>mg/m³</u>		
OSHA PEL-TWA:	NA	2 mg/m ³		
OSHA PEL STEL :	NA	NA		
OSHA PEL CEILING:	NA	NA		
ACGIH TLV-TWA:	NA	2 mg/m ³		
ACGIH TLV STEL:	NA	NA		
ACGIH TLV CEILING:	NA	NA		
Potassium Hydroxide				
	<u>ppm</u>	<u>mg/m³</u>		
OSHA PEL-TWA:	NA	2 mg/m ³		
OSHA PEL STEL :	NA	NA		
OSHA PEL CEILING:	NA	NA		
ACGIH TLV-TWA:	NA	2 mg/m ³		
ACGIH TLV STEL:	NA	NA		
ACGIH TLV CEILING:	NA	NA		

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:**ROUTE(S) OF ENTRY:****POTENTIAL HEALTH EFFECTS SHORT TERM/ACUTE EXPOSURE:**

Eyes: Yes **Inhalation:** Yes **Skin:** Yes **Ingestion:** Yes

Eyes: Causes eye burns. May cause chemical conjunctivitis and corneal damage.

Skin: Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause systemic effects.

Inhalation: Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract. Aspiration may lead to pulmonary edema. May cause systemic effects.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed.

CARCINOGENICITY: NTP: NO ARC Monographs: NO OSHA Regulated: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

SECTION 4: FIRST AID MEASURES

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:

FLAMMABLE LIMITS IN AIR, UPPER: None
(% BY VOLUME) LOWER: None

FLASH POINT:(Closed Cup): None

FLAMMABLE LIMITS: None

AUTOIGNITION TEMPERATURE: None Known

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** NA **REACTIVITY:** 1 **OTHER:** NA

HMS HAZARD CLASSIFICATION

HEALTH: 3 **FLAMMABILITY:** 0 **REACTIVITY:** 1 **PROTECTION:** NA

EXTINGUISHING MEDIA: Use appropriate methods for combating surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Vapors are irritating. Self contained breathing apparatus (SCBA) should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Explosive hydrogen gas may be liberated from contact with some metals.

SECTION 6: ACCIDENTAL RELEASE MEASURES

CLEAN-UP MEASURES: Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Large spills should be recovered for disposal. Absorb on sand or other absorbent. Transfer contaminated absorbent, soil and other materials to containers for disposal. Waste materials should be disposed of in accordance with all local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: As with any chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices.

Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use.

STORAGE: Store in a cool, dry area away from combustibles and reactive chemicals. Do not Freeze. Do not store at temperatures above 120°F.

OTHER PRECAUTIONS: For Industrial & Institutional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 2 of this MSDS. The user may wish to refer to 29 CFR 1910.1000(d)(2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

RESPIRATORY PROTECTION: NIOSH approved respirator in the absence of adequate ventilation.

EYE PROTECTION: Wear protective eyewear to prevent accidental exposure. Wear eye protection appropriate to prevent eye exposure. Where splashing may occur, chemical goggles or full face shield is recommended.

SKIN PROTECTION: Wear appropriate protective gloves to prevent skin exposure.

OTHER PERSONAL PROTECTIVE EQUIPMENT: Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I.

HYGIENIC PRACTICES: Wash hands after use. Keep containers closed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Thin Amber Liquid

ODOR: None

PHYSICAL STATE: Liquid

pH AS SUPPLIED: > 13.8

BOILING POINT: 210 °F

MELTING POINT:	NA
FREEZING POINT:	32 °F
VAPOR PRESSURE (mmHg):	NA
VAPOR DENSITY (AIR = 1):	NA
SPECIFIC GRAVITY (H2O = 1):	1.35
EVAPORATION RATE:	< 1.0
SOLUBILITY IN WATER:	100 %
PERCENT SOLIDS BY WEIGHT:	NA
PERCENT VOLATILE:	NA
MOLECULAR WEIGHT:	Mixture
VISCOSITY:	NA

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is Stable

CONDITIONS TO AVOID (STABILITY): Extreme Temperatures

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizers or Acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): Will not polymerize

SECTION 11: TOXICOLOGICAL INFORMATION

EYE EFFECTS: No further toxicological data known.

SKIN EFFECTS: No further toxicological data known.

ORAL EFFECTS: No further toxicological data known.

INHALATION EFFECTS: No further toxicological data known.

OTHER: No further data known.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

ENVIRONMENTAL FATE: This product is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Corrosive Liquids, N. O. S.(contains Sodium Hydroxide & Potassium Hydroxide)
HAZARD CLASS: Class 8
ID NUMBER: UN1760
PACKING GROUP: II
EXCEPTION: 173.154 < 1 Liter
LABEL STATEMENT: Caution

WATER TRANSPORTATION Stowage: A

AIR TRANSPORTATION Passenger: 1 Liter Cargo: 30 Liter

OTHER AGENCIES: Not Regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA 313: This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CLEAN WATER ACT / OIL POLLUTION ACT: This product contains none of the chemicals subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

CERCLA REPORTABLE QUANTITY: Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Release of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

COMPONENT: Sodium Hydroxide 1000 lbs

TOXIC SUBSTANCES CONTROL ACT: The components of this product are listed on the TSCA Inventory.

OZONE DEPLETING SUBSTANCES: This product contains no ozone depleting substances as defined by the Clean Air Act.

HAZARDOUS AIR POLLUTANTS: Any components listed below are defined by the Federal EPA as hazardous air pollutants.

COMPONENT: None

STATE REGULATIONS: Check with the appropriate state agency to determine whether regulations exists.

INTERNATIONAL REGULATIONS: NA

SECTION 16: OTHER INFORMATION

PREPARED BY: Department of Regulatory Compliance

DATE OF ISSUE: 2/17/07

DATE OF LAST REVISION: 07/01/2010

We believe the information given is accurate. It is offered in good faith, but without guarantee. Since conditions are beyond our control, user assumes all responsibility and risk.