



Section 1 – Product & Company Identification

Product Name: **Fast Action Liquid Drain Opener**

Product ID Number: 505

Product Use: Drain Opener

EPA Reg. Number: N/A

Manufacturer: Arrow Chemical Products, Inc.

2067 Ste. Anne

Detroit, MI 48216

Telephone: 313-237-0277

Numbers: 24 hr. Emergency Assistance: Infotrac 1-800-535-5053

Section 2 – Composition/Information on Ingredients

INGREDIENT	CAS #	% by Weight	Exposure Limits (OSHA-PEL/ACGIH-TLV)
Potassium Hydroxide	1310-58-3	<35%	2 mg/m ³

Section 3 – Hazards Identification

Emergency Overview:

Potential Health Effects:

Acute: Fatal if swallowed. Causes eye damage, skin burns, harmful if inhaled.

Chronic: There is no known effect from chronic exposure to this product.

Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4 – First Aid Measures

Eyes: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin/Clothing: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move to fresh air. If not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or a doctor for further treatment advice.

Ingestion: Call a poison control center or doctor immediately for advice. Have person sip a glass of water if able to swallow. Do **NOT** induce vomiting unless told to do so by the poison control center doctor. Do not give anything by mouth to an unconscious person.

Note to Physician:

Section 5 – Fire Fighting Measures

Hazardous Combustion Products: Acids, combustible materials and metals.

Extinguishing Media: Use appropriate for primary cause of fire.

Fire Fighting Equipment & Instructions: Use OSHA approved self-contained breathing apparatus and protective clothing.

Remarks on Explosion Hazard: Extinguish all nearby sources of ignition since flammable hydrogen gas will be liberated from contact with some metals. May react violently with many organic chemicals, especially nitrocarbons and chlorocarbons. Potassium Hydroxide reacts with zinc, aluminum, tin, and other active metals liberating flammable hydrogen gas.

Section 6 – Accidental Release Measures

Spill and Leak Procedures

Spilled Material: Absorb with inert material and put the spilled material in an appropriate waste disposal.

Personal Protection for Large Spills: Rubber Gloves, OSHA approved safety goggles with side shields, protective footwear, safety shower.

Section 7 – Handling & Storage

Handling Procedures: Store in a dry place. Store in tightly closed container in a secure area inaccessible to children. Avoid contact with eyes, skin and clothing. **DO NOT MIX THIS PRODUCT WITH ANY OTHER PRODUCT!**

Storage Procedures: **DANGER – CORROSIVE - KEEP OUT OF REACH OF CHILDREN.**

Incompatibility: Acids, combustible materials, and metals such as aluminum, tin, chromium, brass, bronze, and galvanized zinc. Avoid contact with organic compounds including leather and wool. **DO NOT MIX THIS PRODUCT WITH ANY OTHER PRODUCT. FOR DRAINS ONLY.**

Section 8 – Exposure Controls/Personal Protection

Engineering Controls: Wear goggles or face shield, rubber gloves, and protective clothing.

Personal Protective Equipment:

Eyes/Face: Safety goggles or face shield.

Skin: Rubber gloves and protective clothing.

Respiratory: No special equipment needed.

Other: Full face shield and rubber footwear should be used. Safety shower recommended in all storage and handling areas.

The following ingredients have established exposure guidelines:

INGREDIENT:	EXPOSURE GUIDELINE	GUIDELINE VALUE
Potassium Hydroxide	OSHA-PEL/ACGIH-TLV/STEL	2 mg/m ³

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9 – Physical & Chemical Properties

Flash Point: N/A

Specific Gravity: 1.219

Melting/Freezing Point: N/A

VOC Content: N/A

Evaporation Rate (Water = 1) : <1

pH: 13+

Solubility: Soluble
Flammable Limits: N/A
Explosion Hazards: Potassium Hydroxide reacts with zinc, aluminum, tin, and other metal liberating flammable hydrogen gas.
Appearance and Odor: Clear Liquid, Mild Odor.



Section 10: Stability & Reactivity

Chemical Stability: Stable

Incompatibilities: Acids, combustible materials, and metals such as aluminum, tin, chromium, brass, bronze, and galvanized zinc. Avoid contact with organic compounds including leather and wool. **DO NOT MIX THIS PRODUCT WITH ANY OTHER PRODUCT.**

Hazardous Decomposition: Flammable hydrogen gas will be liberated on contact with some metals such as aluminum.

Section 11 – Toxicological Information

Ingredient: CAS# 1310-58-3 – Potassium Hydroxide

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Chronic Effects on Humans:

Contains material which may cause damage to the following organs: lungs, mucous membranes, skin, eyes.

Other Toxic Effects on Humans:

Very hazardous in case of skin contact (irritant), of ingestion, Hazardous in case of skin contact (corrosive), of eye contact (corrosive), of inhalation (lung corrosive).

Toxicity to Animals: Potassium Hydroxide: 607 mg/kg [Rat]

Special Remarks on Toxicity to Animals: Not available.

Carcinogenicity: No Carcinogenicity data available for this product.

CHEMICAL INGREDIENTS LISTED AS POTENTIAL OR KNOWN CARCINOGENS

INGREDIENT:	OSHA	NTP	IARC
NONE			

Section 12 – Ecological Information

Ecotoxicity: It is toxic to fish and aquatic organisms. Notes: Emptied container may retain vapor and product residue. Container cannot be reused. Triple rinse empty container with water.

Environmental Fate: Not determined.

Section 13 – Disposal Considerations

Disposal Instructions: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 – Transportation Information

DOT Hazard Class: 8, CORROSIVE LIQUID

DOT Proper Shipping Name: Potassium Hydroxide Solution, 8, UN1814, PGII

Section 15 – Regulatory Information

Federal and State Regulations:

No Data.

TSCA 8(b) inventory: Potassium Hydroxide

CERCLA: Hazardous substances.: Potassium Hydroxide: 1,000 lbs.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

DSL/NDSL: All components listed unless noted elsewhere on this MSDS.

WHMIS (Canada): CLASS E: Corrosive liquid.

Section 16 – Other Information

Hazard Ratings

Hazard Rating Scale:

Hazard Rating Scale:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1

Information Contact: Arrow Chemical Products, Inc., 2067 Ste. Anne, Detroit, MI 48216

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