



SAFETY DATA SHEET

ACP- 505 – Fast Action Liquid Drain Opener

Date: 10-30-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Fast Action Liquid Drain Opener

Other Means of Identification

Product Code 505

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Drain opener

Details of the Supplier of the Safety Data Sheet

Manufacturer Address Arrow Chemical Products, Inc.
2067 Sainte Anne St.
Detroit, MI 48216

Emergency Telephone Number

Company Phone Number 313-237-0277
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity- Oral	Category 3
Skin corrosion/ Irritation	Category 1 sub-category B
Serious eye damage/ eye irritation	Category 1

Signal Word

DANGER

Hazard Statements

May be corrosive to metals.
Toxic if swallowed.
Causes severe skin burns and eye damage.



Appearance Clear liquid

Physical State Liquid

Odor Mild Odor

Precautionary Statements - Prevention

Keep only in original container. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary Statements – Response

If exposed or concerned: Call a Poison Center or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. **Immediately call Poison Control Center or doctor / physician.**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor / physician for advice.

Precautionary Statements - Storage

Store locked up. Store in a corrosive resistant container with a resistant inner liner.

Precautionary Statements - Disposal

Dispose of contents in accordance with local/ regional/ national/ international regulations.

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Potassium Hydroxide	1310-58-3	25 - 50

4. FIRST AID MEASURES

First Aid Measures

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 doctor for further treatment advice.
Eye Contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a poison control center or doctor for 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.
Skin Contact	Immediately call a poison control center or doctor. Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Corrosive effects. May cause temporary blindness and severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Toxic if swallowed.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire. Do not use halogenated extinguishing agents.

Specific Hazards Arising from the Chemical

This product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes. Contact with metal may release flammable hydrogen gas.

Protective Equipment and Precautions for Firefighters

Firefighters should enter the area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surface should be exposed.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.

Methods and Material for Containment and Cleaning Up

Methods and Materials for Containment and Cleaning Up LARGE SPILLS: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in dry sand and place into containers. Following product recovery, neutralize residue with dilute acid and follow with a liberal covering of sodium bicarbonate or other acceptable drying agent.
SMALL SPILLS: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. Retain and dispose of contaminated wash water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Use caution when combining with water; DO NOT add water to caustic; ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe mist or vapor. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store in corrosive resistant container with a resistant inner liner. Store away from incompatible materials. Store at temperatures not exceeding 40°C/ 104°F.

Incompatible Materials Acids, combustible materials, and metals such as: aluminum, chromium, tin, 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.**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium Hydroxide 1310-58-3	2mg/m ³	2mg/m ³	-

Appropriate Engineering Controls

Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, and other engineering controls to maintain airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

Skin and Body Protection

Wear appropriate chemical resistant gloves and clothing.

Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits or to an acceptable level, an approved respirator must be worn.

General Hygiene Considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Mild odor
Appearance	Clear Liquid	Odor Threshold	N/A
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	13+	
Melting Point/Freezing Point	N/A	
Boiling Point/Boiling Range	N/A	
Flash Point	N/A	
Evaporation Rate	N/A	
Flammability (Solid, Gas)	N/A	
Upper Flammability Limits	N/A	
Lower Flammability Limit	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Specific Gravity	1.219	
Water Solubility	Soluble	
Solubility in Other Solvents	N/A	
Partition Coefficient	N/A	
Autoignition Temperature	N/A	
Decomposition Temperature	N/A	
Kinematic Viscosity	N/A	
Dynamic Viscosity	N/A	
Explosive Properties	N/A	
Oxidizing Properties	N/A	

10. STABILITY AND REACTIVITY

Reactivity

Contact with metal may release flammable hydrogen gas.

Chemical Stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper, and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40°C (104°F).

Incompatible Materials

Oxidizing agents, acids, phosphorous, aluminum, zinc, and tin.

Hazardous Decomposition Products

Contact with metals (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	Corrosive. Vapors and mists may irritate throat and respiratory system and cause coughing, choking, pain and possibly burns to the mucous membranes.
Eye Contact	Corrosive. Causes serious eye damage which can result in severe irritation, pain, and burns as well as blindness.
Skin Contact	Corrosive. Causes skin burns. Prolonged or repeated skin exposure can result in dermatitis.
Ingestion	Toxic if swallowed. Corrosive. May cause severe mucus membrane burns and gastrointestinal burns. If swallowed, may pose lung aspiration hazard during vomiting. Lung aspiration may result in chemical pneumonitis, pulmonary edema, and damage to lung tissue.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide 1310-58-3	284 mg/kg (rat)	N/A	N/A

Information on Physical, Chemical and Toxicological Effects

Symptoms	Burning pain and severe corrosive skin damage. Permanent eye damage including blindness could result.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is alkaline and may raise the pH of surface waters with low buffering capacity. This product has exhibited moderate toxicity to aquatic organisms.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Potassium Hydroxide 1310-58-3	EC50: Selenastrum capricornutum 61 mg/L 96 h	LC50: Western Mosquitofish 80mg/L, 96 h LC50: Fathead Minnow 179 mg/L 96 h	-	EC50: Daphnia Magna 60 mg/L 48 h

Persistence and Degradability

This product will disassociate into ionic form in the aquatic environment. Natural carbon dioxide will slowly neutralize this material.

Bioaccumulation

Will not bioconcentrate.

Mobility

No data available.

Other Adverse Effects

This product has exhibited slight toxicity to terrestrial organisms. No other adverse environmental effects (e.g. ozone depreciation, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT

UN/ID No UN1814
 Proper Shipping Name Potassium Hydroxide, Solution
 Hazard Class 8
 Packing Group II

IATA

UN/ID No UN1814
 Proper Shipping Name Potassium Hydroxide, Solution
 Hazard Class 8
 Packing Group II

IMDG

UN/ID No UN1814
 Proper Shipping Name Potassium Hydroxide, Solution
 Hazard Class 8
 Packing Group II

