

MATERIAL SAFETY DATA SHEET

LIQUID DRAIN OPENER (LDO)

HAZARD RATING	HAZARD IDENTIFICATION RATING SCALE		
HEALTH	3	0	=LEAST
FLAMMABILITY	0	1	=SLIGHT
REACTIVITY	1	2	=MODERATE
		3	=HIGH
		4	=EXTREME

HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL	SK
SODIUM HYDROXIDE	1310-73-2	2mg/m3	2mg/m3		

NOTE: AN '*' UNDER 'SK' (SKIN) INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT.

PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: >212 F
Vapour Pressure (mm Hg): ND
Vapour Density (Air=1): >1
Solubility in Water: COMPLETE

Appearance and odour: Clear liquid with pleasant odour.
Specific Gravity (H2O=1): 1.6
Melting Point: ND
Evaporation Rate:(Butyl Acetate=1) <1

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):NONE

Flammable Limits: LEL:N/A UEL: N/A

Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam.

Special Fire Fighting Procedures: NONE.

Explosion Hazards: NONE

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REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Oxidizers or strong acids.
Hazardous Decomposition or By-products: Heat, carbon dioxide, and carbon monoxide.
Hazardous Polymerization: Will not occur.

HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): As Listed Below
Routes of Entry, Signs of Exposure, and Symptoms of Exposure:
SKIN and EYES: Severe irritant to eyes.
INHALATION: Irritation and difficulty in breathing
INGESTION: Gastric pain and vomiting.
Medical Conditions Generally Aggravated by Exposure: Unknown
Carcinogenic: NONE

Emergency and First Aid Procedures:
SKIN & EYE CONTACT: Rinse skin with clear water. For eye contact immediately flush with clear running water for 15 minutes. Get medical attention.
INHALATION: Remove to fresh air. If breathing does not return to normal, get medical attention.
INGESTION: Immediately drink large quantities of water. Get medical attention.

PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: PH adjust dispose in accordance with federal and state regulations.
Handling and Storing: Keep container closed when not in use. Do not freeze. Follow label instructions.
Other Precautions: Keep this and all chemicals out of the reach of children.

CONTROL MEASURES

Respiratory Protection (Specify Type): For exposure above established limits (see section II) use NIOSH/MSMA approved dust/mist mask.
Ventilation: Mechanical: Recommended.
Protective Gloves: Rubber or neoprene.
Eye Protection: Chemical goggles with side shields.
Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

ADDITIONAL INFORMATION

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DISCLAIMER

AllChem Limited does not accept responsibility for misuse of this product or injuries/damages that may occur due to failure in adhering to the safety precautions outlined on this document.