

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: LIQUID DRAIN OPENER
Recommended Use: INCREASING pH IN WATER TREATMENT APPLICATIONS
Restrictions on use: INDUSTRIAL OR PROFESSIONAL USE ONLY
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone Number: (204) 633-8553 Fax: (204) 633-8453
Emergency telephone number: CANUTEC: (613) 996-6666

SECTION 2 - HAZARDS IDENTIFICATION

WHMIS 2015 hazard classification: ACUTE TOXICITY (ORAL / DERMAL, SKIN CORROSIVE
ACUTE TOXIC, 4 (DERMAL) H312 SKIN CORR. 1A H314 EYE DAM. 1 H 318
Symbol:



Signal word: DANGER
Hazard statement(s): CAUSES SEVERE SKIN BURNS AND EYE DAMAGE

Precautionary statements: DO NOT BREATHE MISTS, VAPOURS
WASH THOROUGHLY AFTER HANDLING
WEAR EYE PROTECTION, PROTECTIVE GLOVES, PROTECTIVE CLOTHING.
DISPOSE OF CONTENTS / CONTAINERS TO COMPLY WITH LOCAL / REGIONAL / NATIONAL /
INTERNATIONAL REGULATIONS

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION
SODIUM HYDROXIDE, CAUSTIC SODA	1310-73-2	40 – 70 %
POTASSIUM HYDROXIDE CAUSTIC POTASH	1310-58-3	3 – 13 %

SECTION 4 – FIRST AID MEASURES

First-aid measures general: CALL A PHYSICIAN IMMEDIATELY
First-aid measures after skin contact: RINSE SKIN WITH WATER / SHOWER. TAKE OFF
CONTAMINATED CLOTHING AND WASH IT BEFORE RE-USE. CALL A PHYSICIAN IMMEDIATELY.
First-aid measures after eye contact: RINSE CONTINUOUSLY WITH WATER FOR SEVERAL
MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING.
CALL A PHYSICIAN IMMEDIATELY.
First-aid measures after ingestion: RINSE MOUTH. DO NOT INDUCE VOMITING. CALL A
PHYSICIAN IMMEDIATELY.
Most important symptoms and effects, both acute and delayed: CAUSES SEVERE SKIN BURNS
AND EYE DAMAGE.
Symptoms / injuries after inhalation: CORROSIVE TO RESPIRATORY TRACT.
Symptoms / injuries after skin contact: HARMFUL IN CONTACT WITH THE SKIN. CAUSES BURNS/
CORROSION OF THE SKIN.
Symptoms / injuries after eye contact: CAUSES SERIOUS, PERMANENT EYE DAMAGE.
Symptoms / injuries after ingestion: BURNS TO GASTROINTESTINAL MUCOSA.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media: ABC POWDER

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Special hazards arising from the substance or mixture:

Reactivity: REACTS VIOLENTLY WITH WATER. REACTS WITH (SOME) METALS, RELEASE OF HIGHLY FLAMMABLE GASES / VAPOURS (HYDROGEN).

Firefighting instructions: USE WATER MODERATELY AND IF POSSIBLE COLLECT OR CONTAIN IT.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

General measures: ISOLATE FROM FIRE, IF POSSIBLE, WITHOUT UNNECESSARY RISK.

For non-emergency personnel. Protective equipment: GLOVES, PROTECTIVE GOGGLES, FACE SHIELD. Emergency procedures: KEEP UPWIND. AVOID CONTACT WITH SKIN AND EYES. DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY

For emergency responders: Emergency procedures: STOP LEAK IF SAFE TO DO SO. STOP RELEASE.

Environmental precautions: AVOID RELEASE TO THE ENVIRONMENT. PREVENT SOIL AND WATER POLLUTION.

For containment: CONTAIN RELEASED PRODUCT. COLLECT / PUMP INTO SUITABLE CONTAINERS

Methods for cleaning up: ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE. SMALL QUANTITIES OF LIQUID SPILL: NEUTRALIZE WITH ACID SOLUTION. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY, AS PER LOCAL LEGISLATION.

Reference to other sections: NO ADDITIONAL INFORMATION AVAILABLE.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: CARRY OPERATIONS IN THE OPEN / UNDER LOCAL EXHAUST VENTILATION OR WITH RESPIRATORY PROTECTION. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. AVOID CONTACT WITH SKIN AND EYES.

DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY

Hygiene measures: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

Conditions for safe storage, including any incompatibilities:

Storage conditions: STORE IN ORIGINAL CONTAINER. STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER. KEEP COOL.

Incompatible products: STRONG ACIDS

Incompatible materials: METALS

Storage area: KEEP ONLY IN ORIGINAL CONTAINER. STORE IN A COOL, DRY AREA.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

SODIUM HYDROXIDE (1310-73-2)

ACGIH ACGIH OEL C 2 mg/m³ TLV Basis: URT, EYE & SKIN IRR.

POTASSIUM HYDROXIDE (1310-58-3)

ACGIH OEL C 2 MG/M³ TLV BASIS: URT EYE & SKIN IRR

Personal protective equipment: USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN RISK ASSESSMENT INDICATES THIS IS NECESSARY. GLOVES, SAFETY GLASSES, PROTECTIVE CLOTHING.



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Colour and appearance:

CLEAR TO HAZY LIQUID

Odour:

MILD ODOUR.

Odour threshold:

NO DATA AVAILABLE

pH:

14

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Melting point:	NO DATA AVAILABLE
Freezing point:	NO DATA AVAILABLE
Boiling point:	NO DATA AVAILABLE
Flash point:	NO DATA AVAILABLE
Relative evaporation rate (butyl acetate = 1	NO DATA AVAILABLE
Flammability (solid, gas):	NO DATA AVAILABLE
Explosive properties:	NO DATA AVAILABLE
Oxidizing properties:	NO DATA AVAILABLE
Vapour pressure:	NO DATA AVAILABLE
Relative density:	NO DATA AVAILABLE
Relative vapour density at 20 °C:	NO DATA AVAILABLE
Specific gravity /density:	1.51 g/ml
Solubility:	SOLUBLE IN WATER
Log Pow:	NO DATA AVAILABLE
Log Kow:	NO DATA AVAILABLE
Auto-ignition temperature:	NO DATA AVAILABLE
Decomposition temperature:	NO DATA AVAILABLE
Viscosity:	NO DATA AVAILABLE
Viscosity, kinematic:	NO DATA AVAILABLE
Viscosity, dynamic:	NO DATA AVAILABLE
VOC content.	0 %

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: REACTS VIOLENTLY WITH WATER. REACTS WITH (SOME) METALS, RELEASE OF HIGHLY FLAMMABLE GASES / VAPOURS (HYDROGEN).

Chemical stability: NO ADDITIONAL INFORMATION AVAILABLE.

Possibility of hazardous reactions: REACTS VIOLENTLY WITH WATER.

Incompatible materials: MAY BE CORROSIVE TO METALS, STRONG ACIDS. METALS.

Conditions to avoid: NO ADDITIONAL INFORMATION AVAILABLE.

Hazardous decomposition products: MAY RELEASE FLAMMABLE GASES.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: ORAL: TOXIC IF SWALLOWED. DERMAL: HARMFUL IN CONTACT WITH THE SKIN.

Sodium hydroxide: LD50 oral / rat 4090 mg/kg LD 50 dermal / rabbit 1350 mg/kg

ATE CLP (oral) 4,090,000 mg/kg body weight ATE CLP (dermal) 1,350,000 mg/kg body weight

Potassium hydroxide: LD50 oral / rat 214 mg/kg ATE CLP (oral) 500,000 mg/kg body weight

Skin corrosion/irritation: CAUSES SEVERE SKIN BURNS.

Serious eye damage/irritation: ASSUMED TO CAUSE SERIOUS EYE DAMAGE

Respiratory or skin sensitization: NOT CLASSIFIED.

Germ cell mutagenicity: NOT CLASSIFIED.

Carcinogenicity: NOT CLASSIFIED.

Reproductive toxicity: NOT CLASSIFIED.

Specific target organ toxicity (single exposure): NOT CLASSIFIED.

Specific target organ toxicity (repeated exposure): NOT CLASSIFIED.

Aspiration hazard: NOT CLASSIFIED.

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SECTION 11 – TOXICOLOGICAL INFORMATION (continued)

Symptoms / injuries after inhalation: CORROSIVE TO THE RESPIRATORY TRACT.

Symptoms / injuries after skin contact: HARMFUL IN CONTACT WITH THE SKIN. CAUSTIC BURNS / CORROSION OF THE SKIN.

Symptoms / injuries after eye contact: CAUSES SERIOUS / PERMANENT EYE DAMAGE

Symptoms /injuries after ingestion: TOXIC IF SWALLOWED. BURNS TO GASTROINTESTINAL MUCOSA.

Likely routes of exposure: SKIN AND EYE CONTACT

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SECTION 12 - ECOLOGICAL INFORMATION

Ecology (General): NO ADDITIONAL INFORMATION AVAILABLE.

Persistence and degradability: NO ADDITIONAL INFORMATION AVAILABLE.

Bioaccumulation: NO ADDITIONAL INFORMATION AVAILABLE.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal recommendations: DISPOSE OF CONTENTS / CONTAINERS TO COMPLY WITH LOCAL / REGIONAL / NATIONAL REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

T.D.G. SHIPPING NAME: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE).

CLASS: CLASS 8

UN NUMBER: UN 3266

PACKING GROUP: PG II (MEDIUM DANGER)

SECTION 15 - REGULATORY INFORMATION

THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SAFETY DATA SHEET

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