

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: CL410
Recommended Use: WATER TREATMENT
Restrictions on Use: INDUSTRIAL USE ONLY
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone Number: 1-800 665-7692 Fax: (204) 633-8453
Emergency telephone number: CANUTEC: (613) 996-6666

SECTION 2 - HAZARDS IDENTIFICATION

Classification (GHS) Corrosive to metals, skin corrosive / irritant 1A ,
GHS labeling

Hazard pictogram (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

May be corrosive to metals
Causes severe skin burns and eye damage

Precautionary statements (GHS) :

Keep only in original container
Do not breathe mist, spray
Wash thoroughly after handling
Wear eye protection, protective clothing, protective gloves

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENT

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION %
Potassium hydroxide (45% = <conc<50%, aqueous solution	1310-58-3	1 – 5
Amino-Methylene Phosphoric Acid	Propietarty	1 – 5
Acrylamide-Acrylic Acid Copolymer	Propietarty	1 – 5

SECTION 4 – FIRST AID MEASURES

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Take off immediately contaminated clothing and wash it before reuse. Rinse skin with water / shower. If irritation occurs, get medical advice / attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

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- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a poison center or doctor if you feel unwell.
- Symptoms/injuries : Causes severe skin burns and eye damage.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.
- Symptoms/injuries after ingestion : May be harmful if swallowed. Burns to the gastrointestinal mucosa. Gastrointestinal complaints, cramps, nausea.

SECTION 5 – FIRE FIGHTING MEASURES

- Suitable extinguishing media : All extinguishing media allowed.
- Reactivity : Upon combustion: CO and CO₂ are formed.
- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog to cool exposed containers. Take account of environmentally hazardous fire fighting water.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- General measures : Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Protective goggles. Face-shield.
- Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

Environmental protection : Avoid release to the environment. Prevent soil and water pollution.


- For containment : Contain released substance, pump into suitable containers.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 7 – HANDLING AND STORAGE

- Precautions for safe handling : Comply with legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing.
- Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.
- Storage conditions : Comply with applicable requirements. Always add this product to water for dilution / mixture. Never add water to this product. Keep container closed when not in use.
- Incompatible products : Acids. Keep this substance away from strong acids.
- Storage area : Meet legal requirements. Keep only in the original container. Store in a dry area. Store in a cool area.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters;

potassium hydroxide (1310-58-3)		
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
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

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Physical state	: Liquid
Appearance	: Clear red liquid.
Odour	: Mild odour
Odour threshold	: No data available
pH	: 12 - 13
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 94 °C Closed Cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.03 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	: No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Upon combustion: CO and CO₂ are formed.

Chemical Stability: No additional information available

Possible Hazardous Reactions: No additional information available

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Conditions to avoid : No additional information available

Incompatible materials: Acids.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity : Not classified

Potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)

LD50 oral rat	273 mg/kg (Rat)
ATE CLP (oral)	273.000 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 12 - 13

Serious eye damage/irritation : Not classified
pH: 12 - 13

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

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact : Causes serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion : May be harmful if swallowed. Burns to the gastrointestinal mucosa. Gastrointestinal complaints, cramps, nausea.

SECTION 12 - ECOLOGICAL INFORMATION

Ecology (General): No additional information available.
Persistence and degradability: No additional information available.
Bioaccumulation potential: No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Dispose in accordance with local / national regulations.

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SECTION 14 – TRANSPORT INFORMATION

Transportation of Dangerous Goods (TDG)

UN 3266 Corrosive Liquid, basic, inorganic, n.o.s. (potassium hydroxide) Class 8 Packing Group II

SECTION 15 - REGULATORY INFORMATION

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

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SDS
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