

# 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)** Skin and eye irritant - 2A and 2B. Eye damage 1, H318 Acute toxic 4 (oral) H302

### GHS labeling

Hazard pictogram (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

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
Benzotriazole	95-14-7	0.5 – 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 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 CO<sub>2</sub> 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

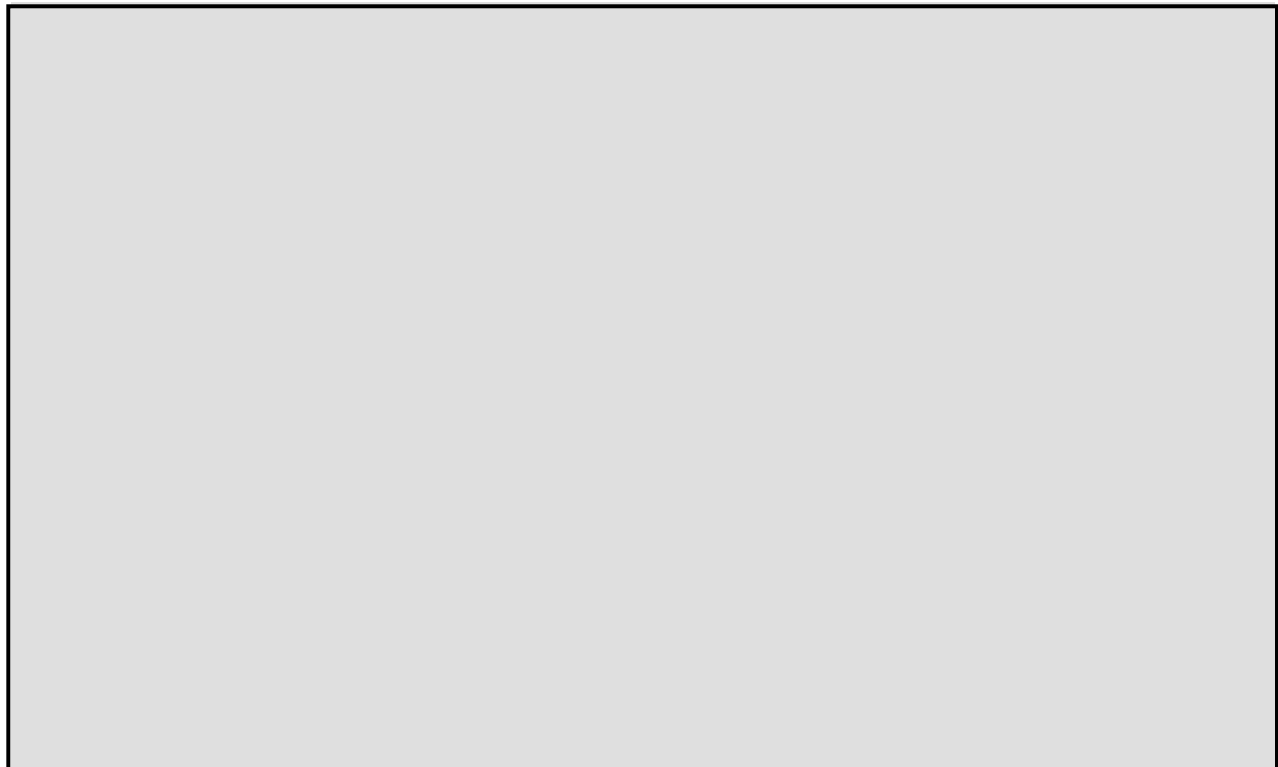
**CL410**

- 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;**

<b>potassium hydroxide (1310-58-3)</b>		
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
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**

Physical state	: Liquid
Appearance	: Clear, red liquid.
Odour	: Mild odour
Odour threshold	: No data available
pH	: 11.5 - 14
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**

**CL410****Reactivity:** Upon combustion: CO and CO<sub>2</sub> are formed.**Chemical Stability;** No additional information available**Possible Hazardous Reactions:** No additional information available**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. pH: 11.5 - 14
Serious eye damage/irritation	: Causes serious eye damage. pH: 11.5 - 14
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 damage. 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.
Likely route of entry	: Skin and eye contact.

**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**

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

## **SECTION 14 – TRANSPORT INFORMATION**

**Transportation of Dangerous Goods (TDG)**

**Corrosive Liquid, basic, inorganic, n.o.s. (potassium hydroxide) Class 8 UN 3266 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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**Telephone:** 1-800-665-7682  
**Latest revision date:** January 17, 2022