

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: CL 410/ 413
Product Use: CLOSED LOOP WATER TREATMENT
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE
Telephone: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS

Hazardous ingredients	CAS Number	Exposure limits	Weight %	LD 50	LC50
POTASSIUM HYDROXIDE	1310- 58-3	2 mg/m ³ OSHA PEL-C ACGIH TLV-C	1 – 5 %	365 mg/kg (oral -rat) 273 mg/kg (oral, male rat)	NOT FOUND
PHOSPHORIC ACID	7664-38-2	1 mg/m ³ OSHA PEL-C ACGIH TLV-C	1 – 5 %		NOT FOUND

SECTION III - PHYSICAL DATA

Physical State: LIQUID
Odour and appearance: CLEAR , RED LIQUID. MILD ODOUR.
Odour threshold: NOT ESTABLISHED FOR THIS PRODUCT.
pH: 12.00 – 13.00
Specific Gravity (20^oC): 1.03
Vapour pressure (mm Hg): Not available. Vapour density (air = 1): Not available.
Evaporation rate (water = 1): Not available.
% volatile by volume: 5 %
Solubility in water: SOLUBLE
Boiling point (C^o): Not available. Freezing point (C^o): Not available.
Coefficient of oil/water distribution: Not available.

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: Not flammable or combustible.
Flash point (C^o): NONE - CLOSED CUP
Autoignition temperature: Not applicable.
Upper flammable limit: Not applicable.
Lower flammable limit: Not applicable.
Flammability classification: NONE
Conditions of flammability: NONE.
Special fire fighting procedures: COOL FIRE EXPOSED CONTAINERS WITH WATER FOG. FIRE FIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR, INCLUDING SELF-CONTAINED BREATHING APPARATUS.
Means of extinction: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.
Hazardous combustion products: NONE.
Sensitivity to mechanical impact: Not applicable.
Sensitivity to static discharge: Not applicable.

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SECTION V - REACTIVITY DATA

Is the product stable? **STABLE** Conditions of reactivity: **NONE KNOWN.**
Incompatible substances: **STRONG ACIDS.**
Hazardous decomposition products: **THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.**

SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS CLASSIFICATION: **CLASS D 2 B – OTHER TOXIC EFFECTS**
CLASS E - CORROSIVE.

Primary routes of exposure: **SKIN AND EYE CONTACT, INGESTION, INHALATION.**

Exposure limits: **SEE SECTION II FOR LIMITS FOR INGREDIENTS.**

Acute effects of exposure: **EYES: MODERATE TO SEVERE IRRITATION, REDNESS, TEARING, POSSIBLE DESTRUCTION OF TISSUE. SKIN: SEVERE IRRITATION, BURNS AND ULCERATION.**

INGESTION: BURNS TO MUCUOS MEMBRANES, NAUSEA, CRAMPS. HARMFUL IF SWALLOWED.

INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT.

Carcinogen: **NO INGREDIENTS THAT ARE CONSIDERED BY IARC, NTP, OSHA TO BE SUSPECTED HUMAN CARCINOGENS.**

Sensitizer: **NOT KNOWN AS A SENSITIZER.**

Mutagen: **NOT KNOWN AS A MUTAGEN.**

SECTION VII - PREVENTION MEASURES

Gloves: CHEMICAL RESISTANT GLOVES.	Respirator: WEAR A NIOSH APPROVED RESPIRATOR FOLOWING MANUFACTURER'S RECOMMENDATIONS IF EXPOSURE LIMITS ARE EXCEEDED.	Eye protection: CHEMICAL GOGGLES OR FACE SHIELD.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other: EMERGENCY EYE WASH STATION.

Engineering controls: **USE WITH ADEQUATE VENTILATION. LOCAL VENTILATON RECOMMENDED. MECHANICAL VENTILATION NOT REQUIRED.**

Leak and spill procedures: **VENTILATE AREA AND CONTAIN SPILL. SOAK UP ON INERT ABSORBENT MATERIAL AND PLACE IN A PROPERLY LABELED, CLOSED CONTAINER FOR DISPOSAL.**

Waste disposal: **CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.**

Handling and storage requirements: **DO NOT BREATHE VAPOURS OR MISTS. STORE IN A COOL, DRY PLACE, AWAY FROM ACIDIC MATERIAL. ALWAYS ADD THIS PRODUCT TO WATER NEVER ADD WATER TO THIS PRODUCT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.**

Special shipping information: **CORROSIVE LIQUID, TOXIC, N.O.S. (POTASSIUM HYDROXIDE) CLASS 8 UN1760 PACKING GROUP III. LIMITED QUANTITY IN UP TO 5 LITRE CONTAINERS.**

SECTION VIII - FIRST AID MEASURES

Eye contact: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION. **Skin contact:** REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH WITH SOAP AND WATER. REPEAT WASHING. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. **Ingestion:** CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. DO NOT INDUCE VOMITING. RINSE THE MOUTH WITH COPIOUS QUANTITIES OF WATER OR MILK THEN GIVE 1 – 2 GLASSES OF WATER OR MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION.

SECTION IX - PREPARATION DATA

Information sources: **MANUFACTURER'S MSDS**
Telephone Number: **(204) 633-8553**

Prepared by: **SHARE CANADA**
Preparation Date: **November 23, 2015**