

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: CT 200 S  
Product Use: WATER SYSTEM TREATMENT FOR OPEN RECIRCULATING SYSTEMS  
Supplier: SHARE CANADA  
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7  
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 <sup>3</sup> ACGIH TLV - C	5 - 10 %	365 mg / kg oral / rat  273 mg/kg oral / male rat	Not found.

## SECTION III - PHYSICAL DATA

Physical State: LIQUID  
Odour and appearance: CLEAR , YELLOW LIQUID. MILD ODOUR.  
Odour threshold: NOT ESTABLISHED FOR THIS PRODUCT.  
pH: 12.5 - 13.00  
Specific Gravity (20°C): 1.10  
Vapour pressure (mm Hg): Not available. Vapour density (air = 1): Not available.  
Evaporation rate (water = 1): Not available.  
% volatile by volume: 15 - 20 %  
Solubility in water: SOLUBLE  
Boiling point (C°): Not available. Freezing point (C°): 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°): > 100 C°  
Autoignition temperature: Not available.  
Upper flammable limit: Not available.  
Lower flammable limit: Not available.  
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 FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
Hazardous combustion products: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF PHOSPHORUS, NITROGEN OR CARBON.  
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, OXIDIZERS AND REDUCING AGENTS.**  
Hazardous decomposition products: **THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF PHOSPHORUS, NITROGEN OR CARBON.**

#### SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS CLASSIFICATION: **D 1 B – IMMEDIATE AND SERIOUS TOXIC EFFECTS. CLASS E - CORROSIVE.**  
Primary routes of exposure: **SKIN AND EYE CONTACT, INGESTION.**  
Exposure limits: **SEE SECTION II FOR LIMITS FOR INGREDIENTS.**  
Acute effects of exposure: **EYES: CORROSIVE- MODERATE TO SEVERE IRRITATION ,POSSIBLE CORNEAL INJURY. SKIN: MODERATE TO SEVERE IRRITATION, DEFATTING, REDNESS, BURNS AND DESTRUCTION OF TISSUE DEPENDING ON LENGTH OF EXPOSURE. INGESTION: DANGER – HARMFUL OR FATAL IF SWALLOWED. SEVERE BURNS TO MUCOUS MEMBRANES. INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT. Carcinogen: NO INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP AND IARC TO BE SUSPECTED HUMAN CARCINOGENS. Sensitizer: NOT KNOWN AS A SENSITIZER. Mutagen: NOT KNOWN AS A MUTAGEN.**

#### SECTION VII - PREVENTION MEASURES

Gloves: <b>CHEMICAL RESISTANT GLOVES.</b>	Respirator: <b>IF RECOMMENDED EXPOSURE LIMITS ARE EXCEEDED, WEAR A NIOSH APPROVED RESPIRATOR.</b>	Eye protection: <b>CHEMICAL GOGGLES OR A FACE SHIELD.</b>
Footwear: <b>NO SPECIAL REQUIREMENTS.</b>	Clothing: <b>PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.</b>	Other: <b>EMERGENCY SHOWER AND EYE WASH STATION.</b>

Engineering controls: **USE WITH ADEQUATE VENTILATION. DO NOT BREATHE VAPOURS OR MIST.**  
Respiratory Protection: **IF RECOMMENDED EXPOSURE LIMITS ARE EXCEEDED, WEAR A NIOSH APPROVED RESPIRATOR, FOLLOWING MANUFACTURER'S RECOMMENDATIONS.**  
Leak and spill procedures: **VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. CONTAIN SPILL. SOAK UP ON INERT ABSORBENT MATERIAL AND PLACE IN A PROPERLY MARKED, CLOSED CONTAINER FOR PROPER DISPOSAL.**  
Waste disposal: **CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.**  
Handling and storage requirements: **STORE IN A COOL, DRY PLACE, AWAY FROM HEAT, OPEN FLAME AND ACIDIC MATERIAL. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. ALWAYS ADD THIS PRODUCT TO WATER. DO NOT ADD WATER TO THIS PRODUCT. KEEP OUT OF THE REACH OF CHILDREN.**  
Special shipping information: **CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE) CLASS 8 UN1760 PACKING GROUP III. LIMITED QUANTITY IN CONTAINERS UP TO 5 LITRES.**

#### 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 MOUTH WITH PLENTY OF WATER OR MILK. BY SLOWLY GIVE 1-2 GLASSES OF WATER OR MILK. AVOID GIVING ALCOHOL OR ALCOHOL – RELATED PRODUCTS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
**Inhalation:** REMOVE PERSON TO FRESH AIR. OBTAIN MEDICAL ATTENTION.

#### SECTION IX - PREPARATION DATA

Information sources: **MANUFACTURER'S MSDS**  
Prepared by: **SHARE CANADA** Telephone Number: **(204) 633-8553**  
Preparation Date: **January 26, 2010**