

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: CT 200 H
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 |
|-----------------------|--------------|-------------------------------------------------------------------------|----------|------------|------------|
| SODIUM HYDROXIDE | 1310 - 73- 2 | 2 mg /m ³ ACGIH TLV - C OSHA PEL - C OSHA PEL - TWA | 5 - 10 % | Not found. | Not found. |

SECTION III - PHYSICAL DATA

Physical State: LIQUID
Odour and appearance: CLEAR , LIGHT YELLOW LIQUID. MILD ODOUR.
Odour threshold: NOT ESTABLISHED FOR THIS PRODUCT.
pH: 12.5 - 13.5
Specific Gravity (20^oC): 1.11
Vapour pressure (mm Hg): Not available.
Vapour density (air = 1): Not available.
Evaporation rate (water = 1): Not available.
% volatile by volume: < 10.
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: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.
Sensitivity to mechanical impact: Not applicable.
Sensitivity to static discharge: Not applicable.

Product identifier: CT 200 H

SECTION V - REACTIVITY DATA

Is the product stable? **STABLE** Conditions of reactivity: **NONE KNOWN.**
Incompatible substances: **KEEP AWAY FROM STRONG ACIDS, OXIDIZERS AND REDUCING AGENTS.**
Hazardous decomposition products: **THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.**

SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS CLASSIFICATION: **CLASS E - CORROSIVE.**
Primary routes of exposure: **SKIN AND EYE CONTACT, INGESTION AND INHALATION.**
Exposure limits: **SEE SECTION II FOR LIMITS FOR INGREDIENTS.**
Acute effects of exposure: **EYES: MODERATE TO SEVERE IRRITATION. POSSIBLE CORNEAL INJURY.**
SKIN: MODERATE TO SEVERE IRRITATION, DEFATTING, REDNESS DEPENDING ON LENGTH OF EXPOSURE. **INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT.**
INGESTION: DANGER – HARMFUL OR FATAL IF SWALLOWED. SEVERE BURNS TO MUCOUS MEMBRANES.
Carcinogen: **NO – OSHA, NTP AND IARC.**
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 IF EXPOSURE LIMITS ARE EXCEEDED. | Eye protection: CHEMICAL GOGGLES OR FACE SHIELD. |
| Footwear: NO SPECIAL REQUIREMENTS. | Clothing: TO PREVENT SKIN CONTACT. | Other: EMERGENCY SHOWER AND EYE WASH STATION. |

Engineering controls: **USE WITH ADEQUATE VENTILATION.**
Respiratory Protection: **DO NOT BREATHE VAPOURS OR MISTS. IF RECOMMENDED EXPOSURE LIMITS ARE EXCEEDED, WEAR A NIOSH APPROVED RESPIRATOR, FOLLOWING MANUFACTURER'S RECOMMENDATIONS.** Leak and spill procedures: **VENTILATE AREA AND 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 ACIDIC MATERIALS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.**
Special shipping information: **CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE) CLASS 8 UN1760 PACKING GROUP II. LIMITED QUANTITY IN CONTAINERS UP TO 1 LITRE.**

SECTION VIII - FIRST AID MEASURES

Eye contact: **FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR 15 MINUTES. CALL A PHYSICIAN.**
Skin contact: **REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.**
Ingestion: **CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. GIVE 1 –2 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**
Inhalation: **REMOVE 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: **November 23, 2015**