

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: CT 200S NI
Recommended use: WATER TREATMENT
Restrictions on use: INDUSTRIAL OR PROFESSIONAL USE ONLY
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone Number: (204) 633-8553 Fax: (204) 633-8453
Emergency telephone number: CANUTEC: (613) 996-6666

SECTION 2 - HAZARDS IDENTIFICATION

Hazard classification: CORROSIVE TO METALS. ACUTE TOXIC, SKIN BURNS AND EYE DAMAGE. SUSPECTED CARCINOGEN

Symbol:



Signal word:

DANGER

Hazard statement(s):

MAY BE CORROSIVE TO METALS. HARMFUL IF SWALLOWED
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. SUSPECTED OF
CAUSING CANCER.

Precautionary statements: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. KEEP ONLY IN ORIGINAL CONTAINER. DO NOT BREATHE MIST, SPRAY. WASH THOROUGHLY AFTER HANDLING. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WEAR EYE PROTECTION, PROTECTIVE GLOVES, PROTECTIVE CLOTHING.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION
POTASSIUM HYDROXIDE	1310-58-3	5 – 10 %
SODIUM MOLYBDATE	7361-95-0	0.1 – 1 %
AMINO-METHYLENE PHOSPHORIC ACID		7 – 13 %

SECTION 4 – FIRST AID MEASURES

First-aid measures general: IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE. (SHOW 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: IMMEDIATELY TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE RE-USE. RINSE SKIN WITH WATER/SHOWER. IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE/ATTENTION.

First-aid measures after eye contact: REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. RINSE CAUTIOUSLY WATER FOR SEVERAL MINUTES. IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR.

First-aid measures after ingestion: RINSE MOUTH. DO NOT INDUCE VOMITING. CALL A POISON CONTROL CENTRE OR DOCTOR IF YOU FEEL UNWELL.

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: HARMFUL IF SWALLOWED. BURNS TO GASTROINTESTINAL MUCOSA. GASTROINTESTINAL COMPLAINTS.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media	ALL EXTINGUISHING MEDIA ALLOWED
Reactivity:	THERMAL DECOMPOSITION MAY PRODUCE PHOSPHOROUS OXIDE, NITROGEN, CARBON OXIDES.
Firefighting instructions	EXERCISE CAUTION WHEN FIGHTING ANY CHEMICAL FIRE. USE WATER SPRAY OR FOG FOR COOLING 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.
For non-emergency personnel:
Protective equipment: GLOVES, PROTECTIVE GOGGLES, PROTECTIVE CLOTHING.
Emergency procedures: EVACUATE UNNECESSARY PERSONNEL. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. VENTILATE SPILLAGE AREA.
For emergency responders:
Protective equipment: EQUIP CLEAN UP CREW WITH PROPER PROTECTION.
Emergency procedures: STOP LEAK IF SAFE TO DO SO. STOP RELEASE. VENTILATE AREA.
Environmental precautions: AVOID RELEASE TO THE ENVIRONMENT. PREVENT SOIL AND WATER POLLUTION.
For containment: CONTAIN RELEASED SUBSTANCE. PUMP INTO SUITABLE CONTAINER.
Methods for cleaning up: THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY, AS PER LOCAL LEGISLATION.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: COMPLY WITH THE 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 RE-USE.
Storage conditions: KEEP CONTAINER CLOSED WHEN NOT IN USE.
Incompatible products: STRONG ACIDS, OXIDIZING AGENTS, REDUCING AGENTS.
Incompatible materials: HEAT SOURCES, SOURCES OF IGNITION.
Storage area: KEEP ONLY IN ORIGINAL CONTAINER. STORE IN A COOL, DRY AREA.
Special rules on packaging: MEET THE LEGAL REQUIREMENTS.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:
POTASSIUM HYDROXIDE 1310-58-3 ACGIH (Ceiling) 2 mg/m
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

Colour and appearance:	CLEAR, YELLOW LIQUID
Odour:	MILD ODOUR.
Odour threshold:	NO DATA AVAILABLE
pH:	12.5 – 13
Melting point:	NO DATA AVAILABLE
Freezing point:	NO DATA AVAILABLE
Boiling point:	NO DATA AVAILABLE
Flash point:	> 93.3 C (CLOSED CUP)
Relative evaporation rate (butyl acetate = 1	NO DATA AVAILABLE
Flammability (solid, gas):	NO DATA AVAILABLE
Explosive properties:	NO DATA AVAILABLE
Oxidizing properties:	NO DATA AVAILABLE
Vapour pressure:	NO DATA AVAILABLE
Relative density:	NO DATA AVAILABLE
Relative vapour density at 20 °C:	NO DATA AVAILABLE
Specific gravity /density:	1.1 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: THERMAL DECOMPOSITION MAY PRODUCE PHOSPHOROUS OXIDE, NITROGEN, CARBON OXIDES.

Chemical stability: STABLE UNDER NORMAL CONDITIONS.

Possibility of hazardous reactions: SEE ABOVE.

Incompatible materials: MAY BE CORROSIVE TO METALS.

Conditions to avoid: NO ADDITIONAL INFORMATION AVAILABLE.

Hazardous decomposition products: UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: ORAL: HARMFUL IF SWALLOWED.

POTASSIUM HYDROXIDE 1310-58-3 LD 50 (oral rat) 273 mg/kg (rat)

Skin corrosion/irritation:	CAUSES SEVERE SKIN BURNS. pH 12.5-13
Serious eye damage/irritation:	CAUSES SEVERE EYE DAMAGE. pH 12.5-13
Respiratory or skin sensitization:	NOT CLASSIFIED
Germ cell mutagenicity:	NOT CLASSIFIED.
Carcinogenicity:	SUSPECTED OF CAUSING CANCER.
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.

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Symptoms /injuries after ingestion: HARMFUL IF SWALLOWED. BURNS TO GASTROINTESTINAL MUCOSA. GASTROINTESTINAL COMPLAINTS. CRAMPS.

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 OF IN A SAFE MANNER IN ACCORDANCE WITH LOCAL / NATIONAL REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

T.D.G. SHIPPING NAME: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE) UN 3266, CLASS 8 PG II (MODERATE DANGER)

SECTION 15 - REGULATORY INFORMATION

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

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SAFETY DATA SHEET
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