

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: CL426
Product Use: WATER TREATMENT FOR 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 NITRITE	7632-00-0	NOT ESTABLISHED	5 - 10 %	NONE REPORTED	NONE REPORTED
SODIUM HYDROXIDE	1310 - 73-2	2 mg / m ³ OSHA PEL -TWA ACGIH TLV TWA TLV - CEILING	1.00 – 5.00 %	9260 mg/kg oral / rat	NONE REPORTED
SODIUM BORATE	1303-96-4	10 mg / m ³ OSHA PEL 5 mg / m ³ ACGIH TLV	3 – 8 %	NONE REPORTED	NONE REPORTED

SECTION III - PHYSICAL DATA

Physical State: LIQUID
Odour and appearance: CLEAR, RED LIQUID. MILD ODOUR.
Odour threshold: NOT ESTABLISHED FOR THIS PRODUCT.
pH: 13.00 - 13.50
Specific Gravity (20°C): 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°): 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°): 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: 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: OXIDES OF CARBON AND NITROGEN.
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 AND NITROGEN.**

SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS CLASSIFICATION: **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 OF THE RESPIRATORY TRACT.
Carcinogen: **NO INGREDIENTS 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: CHEMICAL RESISTANT GLOVES.	Respirator: WEAR A NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED.	Eye protection: CHEMICAL GOGGLES OR FACE SHEILD.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other: EYE WASH STATION.

Engineering controls: **LOCAL EXHAUST RECOMMENDED.**
Leak and spill procedures: **VENTILATE AREA. CONTAIN SPILL AND SOAK UP SPILLED MATERIAL ON INERT ABSORBENT MATERIAL. PLACE IN A PROPERLY MARKED, 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, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE) CLASS 8, UN3266 PACKING GROUP II.**

SECTION VIII - FIRST AID MEASURES

Eye contact: **FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR 15 MINUTES AND OBTAIN MEDICAL ATTENTION. Skin contact. WASH WITH SOAP AND WATER. REPEAT WASHING. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE.**
Ingestion: **CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. DO NOT INDUCE VOMITING. RINSE THE MOUTH WITH COPIOUS QUANTITIES OF WATER OR MILK, THEN 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: **MOVE TO FRESH AIR. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.**

SECTION IX - PREPARATION DATA

Information sources: **MANUFACTURER'S MSDS** Prepared by: **SHARE CANADA**
Telephone Number: **(204) 633-8553** Preparation Date: **JANUARY 15, 2010**