



GLENGARRY CHEMICALS LTD.

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MATERIAL SAFETY DATA SHEET

Emergency Telephone Numbers:

CANUTEC: 1-613-996-6666
POISON CONTROL CENTRE: 1-800-268-9017

W.H.M.I.S. CLASSIFICATION: D2B, E

SECTION I PRODUCT INFORMATION

Product Name : BWT-2000
Product Use : Steam Boiler Treatment
Chemical Family : Mixture
Chemical Formula : Mixture

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	Wt / Wt %	LD ₅₀ Oral-rat	HAZARD	CAS NO.
Sodium Sulphite	1 to 10	3560 mg/Kg	Irritant	7757-83-7
Potassium Hydroxide	0.1 to 1.0	333 mg/Kg	Corrosive	1310-58-3

SECTION III PHYSICAL STATE

Appearance and Physical State : Clear Brown Liquid
Odour : Mild characteristic Odour Boiling Point (°C) : ~ 100
Specific Gravity (water = 1) : 1.10 to 1.15 Freezing Point (°C) : ~ 0
Vapour Pressure (mm Hg) : Not Available % Volatile (by weight) : > 60 (as Water)
Vapour Density (air = 1) : Not Available pH Product : 11.5 to 12.5
Evaporation Rate : Not Available pH 1% Solution :
Solubility in Water : Miscible Coefficient of Water/Oil Distribution : Not Available

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability: Non-Flammable
Upper Explosive Limit : Not Applicable Lower Explosive Limit : Not Applicable
Flash Point : Not Applicable
Means of Extinction: Appropriate for surrounding materials.
Special Procedures : Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals.

SECTION V HEALTH HAZARD DATA

A - EFFECTS OF ACUTE OVEREXPOSURE

EYES: Corrosive to eye tissue and may cause severe damage and blindness.
SKIN: Corrosive. May cause moderate skin irritation. May cause skin burns.
INHALATION: Mists are irritating to the nose, throat and respiratory tract.
INGESTION: May cause burns of the mouth, throat and stomach. May cause pain, nausea, vomiting and diarrhea. May cause gastrointestinal irritation.

B - EFFECTS OF CHRONIC OVEREXPOSURE

Prolonged or repeated skin contact with corrosive materials may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis.

SECTION VI EMERGENCY AND FIRST AID

- EYES:** Wash with copious amount of cold water for at least 20 minutes keeping eyelids open. If irritation persists, repeat flushing. Obtain medical attention immediately.
- SKIN:** Immediately wash the affected areas with plenty of water. If irritation, redness or burning sensation develops obtain medical advice.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
- INGESTION:** Do not attempt to give anything by mouth to an unconscious person. If person is alert and not convulsing rinse mouth out and give 1-2 glasses of water to dilute material and seek medical attention immediately.

SECTION VII TOXICOLOGICAL DATA

- Exposure Limits:** Not Available.
- Carcinogenicity:** The ingredients of this product are not classified as carcinogens by ACGIH or IARC, not regulated as carcinogen by OSHA, and not listed as carcinogen by NTP.
- Reproductive Effects:** No information is available.
- Mutagenic Effects:** Sodium Sulphite may cause mutagenic effects based on studies in laboratory animals.
- Teratogenic Effects:** No information is available.
- Sensitization:** Prolonged or repeated exposure to sulfites may cause allergic reactions in certain sensitive individuals.
- Routes of Entry:** Ingestion, Inhalation, Skin and eye absorption.

SECTION VIII SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Spilled Or Released:

Wear protective equipment. Contain the spill and soak up with an absorbent material. Collect for disposal.

Disposal Procedures:

Follow your local, provincial, and federal government chemical disposal regulations.

SECTION IX PROTECTION INFORMATION

- Engineering Controls:** Local Exhaust.
- Respiratory Protection:** NIOSH/MSHA approved mist respirator, if misting conditions exists.
- Protective Clothing:** Chemical resistant Gloves, apron or impervious protective clothing.
- Eye Protection:** Chemical safety goggles.
- Other Protective Equipment:** Eye Wash Station and Safety Shower.

SECTION X REACTIVITY DATA

- Stability:** Stable.
- Conditions to Avoid:** Contact with organics, strong acids and reactive metals. Exposure to air.
- Hazardous Polymerization:** Will Not Occur.
- Incompatibility to Other Substances:** Do not mix with strong acids or oxidizers. Reactions with acids can release sulphur dioxide.
- Hazardous Combustion Products:** Thermal decomposition products may be toxic and may include toxic fumes of sulphur dioxide, oxides of potassium and sodium.

SECTION XI HANDLING AND STORAGE PRECAUTIONS

Use recommended safety equipment when handling. Avoid storage at high temperatures and store away from incompatibles. Keep containers closed when not in use, exposure to atmospheric oxygen will degrade this product. Wash thoroughly after handling.

SECTION XII FURTHER INFORMATION

TDG CLASSIFICATION:

Shipping Name: CORROSIVE LIQUID N.O.S. (Potassium Hydroxide Solution)
UN Number: UN1760 **Class:** 8 **Packing Group:** III

Preparation Information:

Prepared By: Regulatory Department
Revision Date: 1-Oct-14 **Preparation Date:** 9-Aug-01

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