

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: SB 530  
Product Use: STEAM BOILER WATER TREATMENT  
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	1 - 3 %	365 mg / kg oral / rat  273 mg/kg oral / male rat	Not found.

## SECTION III - PHYSICAL DATA

Physical State: LIQUID  
Odour and appearance: CLEAR , BROWN LIQUID. CHARACTERISTIC ODOUR.  
Odour threshold: NOT ESTABLISHED FOR THIS PRODUCT.  
pH: 13.00 - 14.00  
Specific Gravity (20<sup>o</sup>C): 1.07 Solubility in water: SOLUBLE  
Vapour pressure (mm Hg): Not available. Vapour density (air = 1): Not available.  
Evaporation rate (water = 1): Not available. % volatile by volume: Not available.  
Boiling point (C<sup>o</sup>): Not available. Freezing point (C<sup>o</sup>): 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<sup>o</sup>): 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 PRODUCES OXIDES OF CARBON.  
Sensitivity to mechanical impact: Not applicable.  
Sensitivity to static discharge: Not applicable.

Product identifier: SB 530

## SECTION V - REACTIVITY DATA

Is the product stable? **STABLE** Conditions of reactivity: **NONE KNOWN.**  
Incompatible substances: **ACIDIC MATERIALS.**  
Hazardous decomposition products: **THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.**

## SECTION VI - TOXICOLOGICAL PROPERTIES

**WHMIS CLASSIFICATION: CLASS E – CORROSIVE, D1B - IMMEDIATE AND SERIOUS TOXIC EFFECTS.**  
**Primary routes of exposure: SKIN AND EYE CONTACT, INGESTION, INHALATION.**  
**Exposure limits: SEE SECTION II FOR LIMITS FOR INGREDIENTS.**  
**Acute effects of exposure: EYES: SEVERE IRRITATION, BURNS AND DESTRUCTION OF TISSUE.**  
**SKIN: MODERATE TO SEVERE IRRITATION, DEFATTING, REDNESS, BURNS AND DESTRUCTION OF TISSUE DEPENDING ON LENGTH OF EXPOSURE.**  
**INGESTION: HARMFUL OR FATAL IF SWALLOWED. GASTROINTESTINAL IRRITATION, CRAMPS, BURNS TO MUCOUS MEMBRANES. INHALATION: IRRITATION OF RESPIRATORY TRACT.**  
**Carcinogen: NO INGREDIENTS CONSIDERED BY OSHA, IARC AND NTP 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: NIOSH APPROVED IF EXPOSURE LIMITS ARE EXCEEDED.	Eye protection: FACE SHIELD OR CHEMICAL GOGGLES.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other: EYE WASH STATION.

**Engineering controls: USE ONLY WITH ADEQUATE VENTILATION.**  
**Leak and spill procedures: CONTAIN SPILL AND VENTILATE AREA. SOAK UP ON INERT ABSORBENT MATERIAL AND PLACE IN A PROPERLY LABELED CLOSED CONTAINER.**  
**Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.**  
**Handling and storage requirements: DO NOT BREATHE VAPOURS OR MISTS. STORE IN A COOL, DRY PLACE, AWAY FROM ACIDS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. NEVER ADD WATER TO THIS PRODUCT. ALWAYS ADD THIS PRODUCT TO WATER. 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 IMMEDIATE MEDICAL ATTENTION AND CONTINUE FLUSHING UNTIL MEDICAL ASSISTANCE ARRIVES.  
**Skin contact:** FLUSH AREA WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. LAUNDER BEFORE RE-USE. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.  
**Ingestion:** CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. RINSE MOUTH WITH WATER AND GIVE 1 – 2 GLASSES OF WATER. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY A PHYSICIAN OR POISON CONTROL CENTRE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
**Inhalation:** REMOVE PERSON 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: **November 23, 2015**