

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: SB 540
Product Use: STEAM BOILER 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 ³ ACGIH TLV - C OSHA PEL - C	1 - 5 %	365 mg / kg oral / rat 273 mg/kg oral / male rat	Not found.
DIETHANOLAMINE	100-37-8	10 ppm (skin) OSHA PEL 10 ppm (skin) ACGIH TLV	1 - 5 %	1260 mg/kg dermal- rabbit 1300 mg/kg (oral- rat)	5000 mg/m3 (mouse)
SODIUM METABISULFITE	7681-57-4	5 mg/m ³ ACGIH TLV OSHA PEL	1 - 5 %	Not found.	Not found.

SECTION III - PHYSICAL DATA

Physical State: LIQUID
Odour and appearance: CLEAR , BROWN LIQUID. MILD, SLIGHTLY AMMONIA -LIKE ODOUR.
Odour threshold: NOT ESTABLISHED FOR THIS PRODUCT.
pH: 13.00 - 14.00
Specific Gravity (20°C): 1.12 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: 10%
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: 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 540

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, CLASS D 1 A 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: GASTROINTESTINAL IRRITATION, CRAMPS, BURNS TO MUCOUSMEMBRANES. HARMFUL OR FATAL IF SWALLOWED. INHALATION: SEVERE IRRITATION THE RESPIRATORY TRACT, PULMONARY EDEMA, LARYNGEAL SPASMS.

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: RUBBER BOOTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other: EMERGENCY SHOWER AND 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: **STORE IN A COOL, DRY PLACE, AWAY FROM ACIDIC MATERIAL. 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. LAUNDRER BEFORE RE-USE. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

Ingestion: CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. RINSE MOUTH WITH WATER. 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, CCOHS CCINFO**

Prepared by: **SHARE CANADA**

Telephone Number: **(204) 633-8553**

Preparation Date: **JANUARY 15, 2010**