

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: SB505
Recommended use: STEAM BOILER 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: SKIN CORROSION 1 A

Symbol:



Signal word: DANGER
Hazard statement(s) CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

Precautionary statements: DO NOT BREATHE MIST, SPRAY. WASH THOROUGHLY AFTER HANDLING. WEAR EYE PROTECTION, PROTECTIVE GLOVES, PROTECTIVE CLOTHING.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION
POTASSIUM CARBONATE	584-08-7	5 – 10 %
SODIUM HYDROXIDE, CAUSTIC SODA	1310-73-2	1 – 5 %
PROPRIETARY DISPERSENT	Proprietary	5 – 10 %

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 eye contact: RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR / PHYSICIAN.

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 ingestion: RINSE MOUTH. DO NOT INDUCE VOMITING. GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL.

Symptoms / injuries: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

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.

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SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media	ALL EXTINGUISHING MEDIA ALLOWED
Reactivity:	UPON COMBUSTION CO AND CO ₂ ARE FORMED. EXERCISE CAUTION WHEN FIGHTING ANY CHEMICAL FIRE. USE WATER SPRAY OR FOG FOR COOLING EXPOSED CONTAINERS. TAKE ACCOUNT OF ENVIRONMENTALLY HAZARDOUS FIRE FIGHTING WATER.
Firefighting instructions	
Protection during firefighting	DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION.

SECTION 6 – ACCIDENTAL RELEASE 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.

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. HANDLE AND OPEN THE CONTAINER WITH CARE.

Hygiene measures: WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

Storage conditions: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE ONLY IN ORIGINAL CONTAINER.

Incompatible products: STRONG ACIDS.

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:

SODIUM HYDROXIDE, CAUSTIC SODA 1310-73-2

ACGIH (Ceiling) 2 mg/ m³ ACGIH REMARK URT, eye and skin irritation

Personal protective equipment: USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN RISK ASSESSMENT INDICATES THIS IS NECESSARY. GLOVES, SAFETY GLASSES, PROTECTIVE CLOTHING.



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Colour and appearance:	CLEAR, DARK BROWN LIQUID
Odour:	CHARACTERISTIC ODOUR.
Odour threshold:	NO DATA AVAILABLE
pH:	13.5 – 14
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.	0 %

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: UPON COMBUSTION CO AND CO2 ARE FORMED.
Chemical stability: NO ADDITIONAL INFORMATION AVAILABLE.
Possibility of hazardous reactions: SEE ABOVE.
Incompatible materials: STRONG ACIDS.
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:	NOT CLASSIFIED.	
SODIUM HYDROXIDE, CAUSTIC SODA 1310-73-2		LD 50 (oral rat) 4090 mg/kg LD 50 (dermal rabbit) 1350 mg/kg
ATE CLP (oral)	4090.000 mg/kg body weight	
ATE CLP (dermal)	1350.000 mg/kg body weight	
Skin corrosion/irritation:	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.	pH 13.5 - 14
Serious eye damage/irritation:	NOT CLASSIFIED.	pH 13.5-14
Respiratory or skin sensitization:	NOT CLASSIFIED	
Germ cell mutagenicity:	NOT CLASSIFIED.	
Carcinogenicity:	NOT CLASSIFIED.	
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.	
Symptoms /injuries after ingestion:	MAY BE HARMFUL IF SWALLOWED. BURNS TO GASTROINTESTINAL MUCOSA.	

SECTION 12 - ECOLOGICAL INFORMATION

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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. (SODIUM HYDROXIDE)
UN NUMBER: UN 3266
CLASS: CLASS 8
PACKING GROUP: PG II (MODERATE DANGER)

SECTION 15 - REGULATORY INFORMATION

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

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SAFETY DATA SHEET
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