

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: SB 540
Recommended use: 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: CORROSIVE TO METALS. SKIN BURNS AND EYE DAMAGE

Symbol:



Signal word: DANGER
Hazard statement(s): MAY BE CORROSIVE TO METALS.
CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE.

Precautionary statements: KEEP ONLY IN ORIGINAL CONTAINER. 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 HYDROXIDE (45%=<conc<50%, aqueous solution)	1310-58-3	1 – 5 %
TETRAPOTASSIUM PYROPHOSPHATE, ANHYDROUS	7320-34-5	1 – 5 %
DIMETHYL ETHANOLAMINE	100-37-8	1 – 5 %
SODIUM METABISULFATE	7681-57-4	1 – 5 %

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 CAUTIOUSLY WITH PLENTY OF WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR.

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. CALL A POISON CONTROL CENTRE OR DOCTOR IF YOU FEEL UNWELL.

Symptoms / injuries after inhalation: MAY CAUSE RESPIRATORY IRRITATION. POSSIBLE LARYNGEAL SPASMS / OEDEMA.

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. GASTROINTESTINAL COMPLAINTS. CRAMPS.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media	ALL EXTINGUISHING MEDIA ALLOWED
Reactivity:	UPON COMBUSTION CO AND CO2 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	DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION.
Protection during firefighting	

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General 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.
For containment: CONTAIN RELEASED SUBSTANCE. PUMP INTO SUITABLE CONTAINER.
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.
Hygiene measures: WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.
Storage conditions: KEEP CONTAINER CLOSED WHEN NOT IN USE.
Incompatible products: ACIDS. KEEP AWAY FROM STRONG ACIDS.
Storage area: MEET THE LEGAL REQUIREMENTS. STORE IN A COOL, DRY AREA.
Special rules on packaging: MEET THE LEGAL REQUIREMENTS. KEEP ONLY IN ORIGINAL CONTAINER.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:
POTASSIUM HYDROXIDE (45%=<conc<50%, aqueous solution) 1310-58-3 ACGIH (Ceiling) 2 mg/m
Personal protective equipment: USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN RISK ASSESSMENT INDICATES THIS IS NECESSARY. GLOVES, SAFETY GLASSES, PROTECTIVE CLOTHING.



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Colour and appearance:	CLEAR, BROWN LIQUID
Odour:	CHARACTERISTIC ODOUR.
Odour threshold:	NO DATA AVAILABLE
pH:	12 – 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:	1.07 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.	NO DATA AVAILABLE

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: UPON COMBUSTION CO AND CO₂ ARE FORMED.
 Chemical stability: STABLE UNDER NORMAL CONDITIONS.
 Possibility of hazardous reactions: SEE ABOVE.
 Incompatible materials: 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.
 POTASSIUM HYDROXIDE (45%=<conc<50%, aqueous solution) 1310-58-3
 LD 50 (oral rat) 273 mg/kg ATE CLP (oral) 273 mg/kg body weight
 DIMETHYL ETHANOLAMINE 7681-57-4 LD 50 (oral rat) 1320 mg/kg body weight ATE CLP (oral) 273 mg/kg
 SODIUM METABISULPHATE ATE CLP (oral) 500 mg/kg body weight
 TETRAPOTASSIUM PYROPHOSPHATE, ANHYDROUS 7320-34-5 LD 50 (dermal rabbit)
 4640 mg/kg (rabbit)

Skin corrosion/irritation:	CAUSES SEVERE SKIN BURNS.	pH 12-14
Serious eye damage/irritation:	CAUSES SERIOUS EYE DAMAGE.	pH 12-14
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.	

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Aspiration hazard:

NOT CLASSIFIED.

Symptoms / injuries after inhalation: MAY CAUSE RESPIRATORY IRRITATION. POSSIBLE LARYNGEAL SPASMS / OEDEMA

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. GASTROINTESTINAL COMPLAINTS. CRAMPS.

SECTION 12 - ECOLOGICAL INFORMATION

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. (POTASSIUM HYDROXIDE) UN 3266, CLASS 8 PG II (MODERATE DANGER)

SECTION 15 - REGULATORY INFORMATION

THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SAFETY DATA SHEET

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