

SAFETY DATA SHEET

S500L VER 15-1

DATE: 1/17/15 SW

24 HOUR TELEPHONE NUMBER (CHEMTREC) 800-424-9300

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: S500L

PRODUCT TYPE: COOLING TOWER BIOCIDES

CHEMICAL FAMILY: HALOGEN

SECTION 2. HAZARDS IDENTIFICATION

THIS LIQUID IS CORROSIVE, AN OXIDIZER, AND IS HARMFUL IF SWALLOWED.

INHALATION: MIST HARMFUL IF INHALED. MAY BURN THE MUCOUS MEMBRANES.

EYE CONTACT: MIST MAY SEVERELY IRRITATE OR BURN THE EYES.

SKIN CONTACT: MAY IRRITATE OR BURN THE SKIN OVER A PROLONGED TIME.

INGESTION: MAY IRRITATE OR BURN THE DIGESTIVE TRACT

CHRONIC: NO SIGNIFICANT EFFECTS HAVE BEEN FOUND.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE FOUND.

GHS Classification of the mixture:

Skin corrosion : Category 1B

Serious eye damage : Category 1

Hazard pictograms :



Signal word : Danger

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GHS07

H302 HARMFUL IF SWALLOWED

H312 HARMFUL IN CONTACT WITH THE SKIN

H318 CAUSES SERIOUS EYE DAMAGE

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	
SODIUM HYDROXIDE	1310-73-2	5-10%

SECTION 4. FIRST AID MEASURES

<u>INHALATION:</u>	MOVE SUBJECT TO FRESH AIR.
<u>EYES:</u>	FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.
<u>SKIN:</u>	WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. CONSULT A PHYSICIAN IF BURNS OR IRRITATION DEVELOP.
<u>INGESTION</u>	IF SWALLOWED, GIVE 2 GLASSES OF WATER TO DRINK. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
<u>TARGET ORGAN:</u>	POINT OF CONTACT

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT:	DOES NOT BURN
AUTO-IGNITION TEMPERATURE:	NOT APPLICABLE

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FLAMMABLE LIMITS:

LOWER EXPLOSIVE LIMIT (LEL):

NOT APPLICABLE

UPPER EXPLOSIVE LIMIT (UEL):

NOT APPLICABLE

GENERAL HAZARD:

THIS MATERIAL IS A LIQUID WHICH DOES NOT BURN.

EXTINGUISHING AGENTS:

DOES NOT BURN

PERSONAL PROTECTIVE EQUIPMENT:

USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. USE WATER SPRAY TO KEEP CONTAINERS COOL.

HAZARDOUS COMBUSTION PRODUCTS:

HIGH TEMPERATURES YIELD OXIDES OF BROMINE AND SODIUM.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:

WEAR GOGGLES, RUBBER GLOVES AND A RUBBER APRON.

PROCEDURE:

LAND:

COLLECT AND TRANSFER TO A WASTE DRUM. NEUTRALIZE WITH SODA ASH. PREVENT ANY MATERIAL FROM GOING TO A STORM SEWER, STREAM, OR RIVER.

WATER:

NOTIFY AUTHORITIES.

SECTION 7. HANDLING AND STORAGE

STORAGE:

STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED. USE ADEQUATE VENTILATION. PROTECT FROM FREEZING. STORE BELOW 104 °F

HANDLING:

WEAR PROPER PROTECTIVE EQUIPMENT. WASH HANDS AFTER USE

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

USE LOCAL EXHAUST VENTILATION.

RESPIRATORY PROTECTION: NONE UNDER NORMAL CIRCUMSTANCES.

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EYE PROTECTION: USE GOGGLES.

HAND PROTECTION: USE ELBOW LENGTH RUBBER GLOVES. USE A RUBBER APRON WITH LARGE AMOUNTS

OTHER PROTECTION: EYE WASH STATION

	<i>OSHA STEL</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>
Sodium Hydroxide	2 ppm	2 ppm	2 ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR YELLOW LIQUID
 pH : 12.4-13.7
 BOILING POINT: NOT DETERMINED
 ODOR: PUNGENT
 SPECIFIC GRAVITY: 1.32-1.37
 BULK DENSITY: 8.5 LBS./GAL.

SECTION 10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: NONE

INCOMPATIBILITY: DO NOT MIX WITH ALDEHYDES, REDUCING AGENTS AND STRONG ACIDS, AMINES.

SECTION 11. TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION:

CAS#: NONE

IARC: NOT LISTED

OSHA: NOT LISTED

NTP: NOT LISTED

ACGIH: NOT LISTED

SECTION 12. ECOLOGICAL INFORMATION

DANGEROUS TO ANIMALS - IMMEDIATELY CLEAN UP SPILLS.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSE IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL GUIDELINES.

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SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING INSTRUCTIONS: **CORROSIVE LIQUIDS, BASIC, ORGANIC, N.O.S. (CONTAINS HALOGENATED COMPLEX, SODIUM HYDROXIDE), 8, UN3266, PGIII**
HAZARD CLASS: **CORROSIVE, 8**

SECTION 15. REGULATORY INFORMATION

SARA TITLE 3 (311/312): **IMMEDIATE (ACUTE) HEALTH HAZARD**

SARA TITLE 3 (313): **NONE REPORTABLE**

EPA REGISTRATION NUMBER: **3377-55-47033**

CERCLA: **NONE REPORTABLE**

TSCA: **ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY**

SECTION 16. OTHER INFORMATION

NFPA RATINGS:

HEALTH HAZARD...3

FLAMMABILITY.....0

REACTIVITY.....0

OTHER.....CORROSIVE (BASIC)

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:

0-INSIGNIFICANT 1-SLIGHT 2-MODERATE 3-HIGH

4-EXTREME U-UNKNOWN *-NO INFORMATION

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