

SAFETY DATA SHEET

C803L VER 15-1 DATE: 3/31/15

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

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATIONPRODUCT NAME: **C803L**PRODUCT TYPE: SCALE AND CORROSION INHIBITOR FOR COOLING TOWERSCHEMICAL FAMILY: POLYMER**SECTION 2. HAZARDS IDENTIFICATION**GHS Classification of the mixture:

Skin corrosion : Category 1B

Serious eye damage : Category 1

Hazard pictograms :



Signal word : Danger

GHS07

H302 HARMFUL IF SWALLOWED

H312 HARMFUL IN CONTACT WITH THE SKIN

H318 CAUSES SERIOUS EYE DAMAGE

Hazard Statements : THIS LIQUID PRODUCT IS CORROSIVE.

Precautionary Statements :

Prevention:

Obtain special instructions before use. Do not handle until all safety instructions have been read and understood. Wash skin thoroughly after handling. Wear protective gloves, eye protection, and protective clothing.

Response:

GET MEDICAL ATTENTION IF SYMPTOMS APPEAR

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IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get immediate medical attention.
 IF ON SKIN : Remove / Take off contaminated clothing
 IF INHALED: Remove patient to fresh air and keep patient in a comfortable position for breathing.
 IF IN EYES: Remove contact lenses if present and easy to do and rinse cautiously for fifteen minutes.
 Get medical attention if concerned and wash contaminated clothing before reuse.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER.	
HEDP (1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID)	2809-21-4	(2-5%)
POTASSIUM HYDROXIDE	1310-58-3	(5-10%)
SODIUM TOLYTRIAZOLE	64665-57-2	(1-4%)

SECTION 4. FIRST AID MEASURES

INHALATION: MOVE SUBJECT TO FRESH AIR.GET IMMEDIATE MEDICAL ATTENTION.

EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.
GET IMMEDIATE MEDICAL ATTENTION.

SKIN: WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. CONSULT A PHYSICIAN IF BURNS OR IRRITATION DEVELOP.

INGESTION IF SWALLOWED, GIVE 2 GLASSES OF WATER TO DRINK.
GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING.

TARGET ORGAN: POINT OF CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT DETERMINED.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT:	NOT FLAMMABLE
AUTO-IGNITION TEMPERATURE:	NOT DETERMINED
LOWER EXPLOSIVE LIMIT (LEL):	N/A
UPPER EXPLOSIVE LIMIT (UEL):	N/A

EXTINGUISHING AGENTS:

CARBON DIOXIDE OR USE DRY CHEMICAL FOR SMALL FIRES.

PERSONAL PROTECTIVE EQUIPMENT:

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

HAZARDOUS COMBUSTION PRODUCTS:

HIGH TEMPERATURES YIELD OXIDES OF NITROGEN AND CARBON.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:

WEAR GOGGLES, RUBBER GLOVES AND A RUBBER APRON.

PROCEDURE:

LAND:

INITIATE A SPILL RESPONSE IMMEDIATELY. KEEP PEOPLE OUT OF THE AREA. NEUTRALIZE WITH SODA ASH, THEN ADD ABSORBANT, COLLECT AND TRANSFER TO A WASTE DRUM.

WATER:

PREVENT ANY MATERIAL FROM GOING TO A STORM SEWER, STREAM, OR RIVER.

NOTIFY AUTHORITIES.

SECTION 7. HANDLING AND STORAGE

STORAGE:

STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED. USE ADEQUATE VENTILATION.

HANDLING:

WEAR PROPER PROTECTIVE EQUIPMENT. WASH HANDS AFTER USE

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT

EXPOSURE LIMITS

ENGINEERING CONTROLS: USE LOCAL EXHAUST VENTILATION.

RESPIRATORY PROTECTION: NONE.

EYE PROTECTION: USE GOGGLES.

HAND PROTECTION: USE ELBOW LENGTH RUBBER GLOVES AND APRON.

OTHER PROTECTION: EYE WASH STATION

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Potassium hydroxide (KOH)	C 2 mg/m ³	none listed	none listed
Sodium tolytriazole	none listed	none listed	none listed

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
HEDP	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Phosphorous acid	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR LIQUID

ODOR: N/A

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ODOR THRESHOLD: N/A
pH: OVER 21
FREEZING POINT: N/A
BOILING POINT: N/A
FLASH POINT: N/A
EVAPORATION RATE: N/A
FLAMMABILITY: WATER SOLUTION
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS: N/A
VAPOR PRESSURE: N/A
RELATIVE DENSITY: N/A
SOLUBILITY: COMPLETE
PARTITION COEFFICIENT: N/A
AUTO-IGNITION TEMPERATURE: N/A
DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: N/A
SPECIFIC GRAVITY: 1.11
BULK DENSITY: 9.25 LBS./GAL.
FREEZING POINT: 28° F

N/A --- NOT AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: NONE

INCOMPATIBILITY: DO NOT MIX WITH ACIDS AND STRONG
OXIDIZERS.

SECTION 11. TOXICOLOGICAL INFORMATION:

ROUTES OF EXPOSURE: EYE, SKIN, INHALATION, INGESTION.

ACUTE TOXICITY; N/A

SKIN CORROSION/IRRITATION; CORROSIVE

SERIOUS EYE DAMAGE/IRRITATION; CORROSIVE

RESPIRATORY OR SKIN SENSITIZATION; N/A

GERM CELL MUTAGENICITY; N/A

CARCINOGENICITY; N/A

STOT - SINGLE EXPOSURE; N/A

STOT - REPEATED EXPOSURE; AND N/A

ASPIRATION HAZARD; N/A

N/A: NOT AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION

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NONE

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION**DOT SHIPPING INSTRUCTIONS:**

PROPER SHIPPING NAME:

UN3266, CORROSIVE LIQUID, BASIC, INORGANIC N.O.S., (CONTAINS POTASSIUM HYDROXIDE), 8, PGII

TRANSPORT HAZARD CLASS: CORROSIVE, 8

PACKING GROUP: II

ENVIRONMENTAL HAZARDS: N/A

SPECIAL PRECAUTIONS FOR USER: CORROSIVE

SECTION 15. REGULATORY INFORMATION

SARA TITLE 3 (311/312):	HEALTH	IMMEDIATE (Acute)	YES
	HEALTH	DELAYED (Chronic)	NO
	PHYSICAL	FIRE	NO
	PHYSICAL	SUDDEN RELEASE OF PRESSURE	NO
	PHYSICAL	REACTIVE	NO
		NUISANCE MIST	YES

SARA TITLE 3 (313): POTASSIUM HYDROXIDE

CERCLA: NONE

WASTE DISPOSAL (RCRA): MEET THE CLASSIFICATIONS OF CORROSIVITY.

TSCA: ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

SECTION 16. OTHER INFORMATION**NEPA RATINGS:**

HEALTH HAZARD...2
FLAMMABILITY.....0
REACTIVITY.....0

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CASCADE
WATER SERVICES

C803L

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OTHER.....CORROSIVE, BASIC

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