

LAKELAND

CHEMICAL SPECIALTIES, INC.

W140 N5090 LILLY ROAD
MENOMONEE FALLS, WI 53051

24 Hour Emergency: (800) 424-9300 (CHEMTREC)

Phone: (262) 781-1350

MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: B-5105
CHEMICAL NAME: CAUSTIC/POLYMER/TANNIN
CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/SCALE INHIBITOR

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	TLV	PEL
SODIUM HYDROXIDE	14	1310-73-2	2mg/m ³ C	2mg/m ³

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT (F):	252°	MELTING POINT:	NA
SOLUBILITY IN WATER:	100%	VAPOR PRESSURE (mm Hg):	NA
pH:	11.9	VAPOR DENSITY (AIR = 1):	NA
SPECIFIC GRAVITY:	1.12	WATER REACTIVE:	NO
APPEARANCE/ODOR:	DARK BROWN, LIQUID NO ODOR	DOT SHIPPING NAME:	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE),8, UN1760, PGII

SECTION 4 : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NON-FLAMMABLE
EXTINGUISHER MEDIA: NA (PRODUCT IS NON-FLAMMABLE)
SPECIAL FIRE FIGHTING PROCEDURES: AVOID SKIN AND EYE CONTACT. WEAR HEAD AND BODY PROTECTION, IF EXPOSURE IS POSSIBLE.

SECTION 5: REACTIVITY HAZARD DATA

STABILITY: X STABLE UNSTABLE PRECAUTIONS: NA
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS MAY PRODUCE HEAT AND SPLATTERING. CONTACT WITH ALUMINUM, TIN, ZINC, OR BRASS GIVES OFF EXPLOSIVE HYDROGEN GAS.
HAZARDOUS DECOMPOSITION PRODUCTS: NA
HAZARDOUS POLYMERIZATION: OCCURS X DOES NOT OCCUR

SECTION 6: HEALTH HAZARD DATA - PROTECTIVE MEASURES - FIRST AID

MOST LIKELY ROUTE OF ENTRY:

SKIN: CAUSES SEVERE BURNS
WEAR ALKALI-RESISTANT PROTECTIVE GLOVES, BOOTS AND CLOTHING. PROVIDE CONVENIENT SAFETY SHOWERS. FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF ANY IRRITATION PERSISTS

EYES: CAUSES BURNS AND EYE DAMAGE
WEAR CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD
PROVIDE CONVENIENT EYE WASH STATION IN IMMEDIATE WORK AREA.
FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEEK PROMPT MEDICAL ATTENTION.

INHALATION: BREATHING OF MISTS OR LIQUID CAUSES SEVERE IRRITATION AND POSSIBLE BURNS
WEAR NIOSH APPROVED LIQUID/MIST RESPIRATOR IF EXPOSURE IS LIKELY
REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS

INGESTION: CAUSES BURNS IN MOUTH, THROAT AND STOMACH
WEAR FACE SHIELD WHEN EXPOSED IF NOT USING A RESPIRATOR
AVOID SWALLOWING. DILUTE BY GIVING LARGE AMOUNTS OF WATER
DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

IN THE EVENT OF SPILL OR RELEASE: SMALL SPILLS CAN BE DILUTED DOWN TO NEUTRAL WITH MILD ACID OR LARGE AMOUNTS OF WATER, AND FLUSHED TO SEWER OR GROUND, OR TAKEN UP WITH A PAPER TOWEL OR SIMILAR ABSORBENT HELD FOR DISPOSAL. LARGE SPILLS SHOULD BE CONTAINED BY DIKING OR OTHERWISE HELD FOR COLLECTION, NEUTRALIZATION AND DISPOSAL OR RE-USE
(CERCLA RQ = 1000 LBS. NaOH 7000 LBS, PRODUCT)

PRECAUTIONS FOR HANDLING AND STORAGE: STORE IN A COOL AND DRY AREA AWAY FROM INCOMPATIBLE/ REACTIVE MATERIALS (I.E. ACIDS)

WASTE DISPOSAL METHOD: CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR APPROVED DISPOSAL PROCEDURES. MAY QUALIFY AS A RCRA HAZARDOUS WASTE.

EMPTY CONTAINERS: TRIPLE RINSE BEFORE HANDLING AND DISPOSAL

OTHER PRECAUTIONS: NONE

SECTION 8: HMIS RATINGS

<u>3</u>	HEALTH	<u>1</u>	REACTIVITY
<u>0</u>	FLAMMABILITY	<u>J</u>	PERSONAL PROTECTION

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