

LAKELAND

CHEMICAL SPECIALTIES, INC.

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MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: B-5100
CHEMICAL NAME: CAUSTIC/POLYMER/TANNIN
CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/SCALE INHIBITOR

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	TLV	PEL
SODIUM HYDROXIDE	31.0	1310-73-2	2mg/m ³ C	2mg/m ³

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:	252°F	MELTING POINT:	NA
SOLUBILITY IN WATER:	100%	VAPOR PRESSURE (mm Hg):	NA
pH:	13	VAPOR DENSITY (AIR = 1):	NA
SPECIFIC GRAVITY:	1.36	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 NONFLAMMABLE)
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 PRODUCT HEAT AND SPATTERING. CONTACT WITH ALUMINUM, TIN, ZINC OR BRASS GIVE 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, EYES

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 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 EQ = 1000 LBS. NaOH (3200 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 REGULATION 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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