

LAKELAND

CHEMICAL SPECIALTIES, INC.

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MATERIAL SAFETY DATA SHEET

DATE ISSUED 06/06

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: B-5120
CHEMICAL NAME: CAUSTIC/POLYMER/SULFITE/MORPHOLINE
CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/SCALE AND CORROSION INHIBITOR

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	TLV	PEL
SODIUM HYDROXIDE	8%	1310-73-2	2mg/m ³ C	2mg/m ³
SODIUM SULFITE	7%	7757-83-7	NA	NA
MORPHOLINE	1%	110-91-8	20PPM	20 PPM 30PPM (STEL)

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT (F): 212° MELTING POINT: NA
SOLUBILITY IN WATER: 100% VAPOR PRESSURE (mm Hg): NA
Ph (1% SOLUTION) 11.5 VAPOR DENSITY (AIR = 1): NA
SPECIFIC GRAVITY: 1.13 WATER REACTIVE: NO
APPEARANCE/ODOR: LIGHT BROWN DOT SHIPPING NAME CORROSIVE LIQUID, N.O.S.
LIQUID (SODIUM HYDROXIDE MIXTURE),8,
AMMONIA ODOR UN1760, PGII,

SECTION 4 : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NONE
EXTINGUISHER MEDIA: NA (NON-FLAMMABLE)
SPECIAL FIRE FIGHTING PROCEDURES WEAR PROTECTIVE CLOTHING AND USE SELF-CONTAINED BREATHING APPARATUS. THERMAL DECOMPOSITION MAY PRODUCE TOXIC, CORROSIVE AND OXIDIZING SULFUR DIOXIDE GAS. KEEP DRUMS, EXPOSED TO FIRE, COOL WITH WATER

SECTION 5: REACTIVITY HAZARD DATA

STABILITY: X STABLE _____ UNSTABLE PRECAUTIONS: RELEASES SO₂ WHEN HEATED
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS, ACIDS AND WATER MAY CAUSE HEATING AND RELEASE OF SO₂
HAZARDOUS DECOMPOSITION PRODUCTS: SO₂ (WHEN HEATED)
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 MEDICAL ATTENTION.

INHALATION: BREATHING OF LIQUID MIST CAUSES IRRITATION AND POSSIBLE BURNS TO TISSUES
SO₂ VAPORS CAN CAUSE CHOKING, PULMONARY EDEMA, AND DEATH DEPENDING ON AMOUNT OF EXPOSURE. WEAR APPROVED LIQUID/MIST RESPIRATOR IF EXPOSURE IS LIKELY, WITH SO₂ PROTECTION IF NEEDED FOR VAPORS. REMOVE TO FRESH AIR. GIVES ARTIFICIAL RESPIRATION IF NEEDED. GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.

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 WITH WATER OR MILD ACID AND FLUSHED TO SEWER OR GROUND WITH LARGE AMOUNTS OF WATER. LARGE SPILLS SHOULD BE DIKED AND HELD FOR COLLECTION, NEUTRALIZATION AND DISPOSAL, OR USE. RESPONSE PERSONNEL SHOULD USE EYE AND SKIN PROTECTION AND A NIOSH APPROVED RESPIRATOR FOR SO₂ IF NEEDED.

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

WASTE DISPOSAL METHOD: CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR APPROVED DISPOSAL PROCEDURES.

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>H</u>	PERSONAL PROTECTION

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