

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

DATE ISSUED 06/06

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: B-5301
CHEMICAL NAME: BISULFITE/CAUSTIC/POLYMER/WATER
CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/CORROSION INHIBITOR

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	CEILING	PEL
SODIUM BISULFITE	10%	7861-57-4	NA	NA
SODIUM HYDROXIDE	5%	1310-73-2	2mg/m ³	

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT 212° MELTING POINT: NA
SOLUBILITY IN WATER 100% VAPOR PRESSURE (mm Hg): NA
pH 6.5 VAPOR DENSITY (AIR = 1): NA
SPECIFIC GRAVITY 1.15 WATER REACTIVE: NO
APPEARANCE/ODOR BROWNISH LIQUID DOT SHIPPING NAME: BISULFITE, AQUEOUS SOLUTION, N.O.S.
SLIGHT SULFUR (SODIUM BISULFITE),8, UN2693, PGIII

SECTION 4 : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NONE
EXTINGUISHER MEDIA: NA (PRODUCT IS NON-COMUSTIBLE)
SPECIAL FIRE FIGHTING PROCEDURES SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN WHEN ENTERING ANY FIRE. GUARD AGAINST SULFUR DIOXIDE VAPORS IF PRODUCT IS HEATED.

SECTION 5: REACTIVITY HAZARD DATA

STABILITY X STABLE UNSTABLE PRECAUTIONS RELEASES SO₂ WHEN HEATED
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS (CAUSES VIGOROUS EXOTHERMIC REACTIONS), AND ACIDS (RELEASES TOXIC SULFUR DIOXIDE GAS).
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: IRRITANT. POSSIBLY SEVERE WITH PROLONGED EXPOSURE.
WEAR ALKALI-RESISTANT GLOVES AND COMPLETE BODY PROTECTION.
PROVIDE CONVENIENT SAFETY SHOWER. REMOVE CONTAMINATED CLOTHES.
FLUSH SKIN THOROUGHLY WITH WATER FOR 15 MINUTES.

EYES: IRRITANT. CAN CAUSE EYE DAMAGE.
WEAR SPLASH-PROOF GOGGLES. PROVIDE CONVENIENT EYEWASH STATION.
FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES.
GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.

INHALATION: BREATHING OF LIQUID MISTS 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.
GIVE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION IF EFFECTS PERSIST.

INGESTION: MAY CAUSE IRRITATION OF MEMBRANES. WEAR FACE SHIELD WHEN EXPOSED ,
IF NOT USING RESPIRATOR. AVOID SWALLOWING. RINSE MOUTH.
DRINK LOTS OF WATER. INDUCE VOMITING.
GET MEDICAL ATTENTION IF EFFETS PERSISTS.

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

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.

EMPTY CONTAINERS: TRIPLE RINSE BEFORE HANDLING AND DISPOSAL

OTHER PRECAUTIONS: NONE

SECTION 8: HMIS RATINGS

<u>2</u>	HEALTH	<u>0</u>	REACTIVITY
<u>0</u>	FLAMMABILITY	<u>H</u>	PERSONAL PROTECTION

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