

# 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-5305  
CHEMICAL NAME: BISULFITE/CAUSTIC/WATER  
CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/CORROSION INHIBITOR

#### SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	TLV	PEL
SODIUM BISULFITE	10	7631-90-5	NA	NA
SODIUM HYDROXIDE	1	1310-73-2	2mg/m <sup>3</sup> C	2mg/m <sup>3</sup>

#### SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 212° MELTING POINT: NA  
SOLUBILITY IN WATER: 100% VAPOR PRESSURE (mm Hg): NA  
pH: 6 VAPOR DENSITY (AIR = 1): NA  
SPECIFIC GRAVITY: 1.1 WATER REACTIVE: NO  
APPEARANCE/ODOR: CLEAR LIQUID DOT SHIPPING NAME: BISULFITE, AQUEOUS  
SLIGHT SULFUR SOLUTION, N.O.S.  
(SODIUM BISULFITE),8, UN2693, PGIII

#### SECTION 4 : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NONE  
EXTINGUISHER MEDIA: NA (PRODUCT IS NON-COMBUSTIBLE)  
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 SO<sub>2</sub> WHEN HEATED.   
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS (CAUSES VIGOROUS EXTHERMICREATIONS), AND ACIDS (RELEASES TOXICSULFUR DIOXIDE GAS).  
HAZARDOUS DECOMPOSITION PRODUCTS: SO<sub>2</sub> 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. POSSIBLE SEVERE WITH PROLONGED EXPOSURE.  
WEAR ALKALI-RESISTANT PROTECTIVE GLOVES AND COMPLETE BODY PROTECTION.  
PROVIDE CONVENIENT SAFETY SHOWERS. REMOVE CONTAMINATED CLOTHES.  
FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES.

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

**INHALATION:** BREATHING OF LIQUID MIST CAUSES SEVERE IRRITATION AND POSSIBLE BURNS TO TISSUES.  
SO<sub>2</sub> VAPORS CAN CAUSE CHOKING, PULMONARY EDEMA, AND DEATH DEPENDING ON  
AMOUNT OF EXPOSURE. WEAR APPROVED LIQUID/MIST RESPIRATOR IF LIKE, WITH SO<sub>2</sub>  
PROTECTION IF NEEDED FOR VAPORS. REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION  
IF NEEDED. GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.

**INGESTION:** MAY CAUSE IRRITANT OF MEMBRANES.  
WEAR FACE SHIELD WHEN EXPOSED, IF NOT USING A RESPIRATOR  
AVOID SWALLOWING. RINSE MOUTH. DRINK LOTS OF WATER. INDUCE VOMITING.  
GET MEDICAL ATTENTION IF EFFECTS PERSIST.

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

**IN THE EVENT OF SPILL OR RELEASE:** SMALL SPILLS CAN BE DILUTED WITH WATER AND  
FLUSHED TO SEWER OR GROUND WITH LARGE AMOUNTS OF WATER. LARGE SPILLS SHOULD BE DIKED AND  
HELD FOR COLLECTION, NEUTRALIZATION AND DISPOSAL OR RE-USE. RESPONSE PERSONNEL SHOULD  
USE EYE AND SKIN PROTECTION AND A NIOSH APPROVED RESPIRATOR FOR SO<sub>2</sub> 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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