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MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

DATE ISSUED

7/13

PRODUCT NAME: B-5505

CHEMICAL NAME: POTASSIUM SALT

CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/ CORROSION INHIBITOR

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	TLV	PEL
POTASSIUM SULFITE	<25	10117-38-1	NA	NA
POTASSIUM HYDROXIDE	<1	1310-58-3	2mg/m ³ C	NA

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT (F): ND

MELTING POINT: ND

SOLUBILITY IN WATER: 100%

VAPOR PRESSURE (mm Hg): ND

pH: 10 as is

VAPOR DENSITY (AIR = 1): ND

SPECIFIC GRAVITY: 1.24 @ 25 C

WATER REACTIVE: NO

APPEARANCE/ODOR: CLEAR

DOT SHIPPING NAME: NON-REGULATED

LIQUID

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NONE

EXTINGUISHER MEDIA: NA (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 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. POSSIBLE SEVERE WITH PROLONGED EXPOSURE. WEAR ALKALI-RESISTANT GLOVES, COMPLETE BODY PROTECTION. PROVIDE CONVENIENT SAFETY SHOWERS. REMOVE CONTAMINATED CLOTHES. FLUSH SKIN THOROUGHLY WITH WATER FOR 15 MINUTES.

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

INHALATION: BREATHING OF LIQUID MIST CAUSES IRRITATION AND POSSIBLE BURNS TO TISSUE.
SO₂ VAPOR CAN CAUSE CHOKING, PULMONARY EDEMA, AND DEATH DEPENDING ON AMOUNT OF EXPOSURE. WEAR AN 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 PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.

INGESTION: CAUSES 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 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 REUSE. 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: NFPA RATINGS

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

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