

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-5405
CHEMICAL NAME: CYCLOHEXYLAMINE/MORPHOLINE/WATER
CHEMICAL FAMILY: INDUSTRIAL WATER TREATMENT/CORROSION INHIBITOR

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL	PERCENT	CAS#	TLV	PEL
MORPHOLINE	<6	110-91-8	20ppm	20ppm 30ppm STEL
CYCLOHEXYLAMINE	<6	108-91-8	10ppm	10ppm

SECTION 3: PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 212° MELTING POINT: NA
SOLUBILITY IN WATER: 100% VAPOR PRESSURE (mm Hg): NA
pH: 11.5 VAPOR DENSITY (AIR = 1): NA
SPECIFIC GRAVITY: 0.99 WATER REACTIVE: NO
APPEARANCE/ODOR: CLEAR LIQUID DOT SHIPPING NAME: CORROSIVE LIQUID, N.O.S.
AMMONIA ODOR (CYCLOHEXYLAMINE/MORPHOLINE MIXTURE)
8, UN1760, PGII

SECTION 4 : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): APPROXIMATELY 130° CLCP
EXTINGUISHER MEDIA: WATER, ALCOHOL FOAMS, CO₂, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: AVOID SKIN AND EYE CONTACT. GUARD AGAINST AMMONIA TYPE VAPORS IF PRODUCT IS HEATED. WEAR HEAD AND BODY PROTECTION IF EXPOSURE IS LIKELY.

SECTION 5: REACTIVITY HAZARD DATA

STABILITY: X STABLE UNSTABLE PRECAUTIONS: NA
INCOMPATIBILITY (MATERIALS TO AVOID): CONTACT WITH STRONG OXIDIZERS MAY GIVE VIOLENT REACTION.
AVOID CONTACT WITH RUBBER OR COPPER.
HAZARDOUS DECOMPOSITION PRODUCTS: WHEN BURNED: NH₄, CO₂, CO, HYDROCARBONS
HAZARDOUS POLYMERIZATION: OCCURS X DOES NOT OCCUR

SECTION 6: HEALTH HAZARD DATA - PROTECTIVE MEASURES - FIRST AID

MOST LIKELY ROUTE OF ENTRY:

SKIN: STRONG IRRITANT, POSSIBLE SENSITIZER, CAN CAUSE CORROSION.
WEAR PROTECTIVE GLOVES AND, IF NECESSARY, COMPLETE BODY PROTECTION.
PROVIDE CONVENIENT SAFETY SHOWERS. REMOVE CONTAMINATED CLOTHING. FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES.

EYES: CORROSIVE. CAUSES BURNS AND POSSIBLE BLINDNESS.
WEAR SPLASH-PROOF GOGGLES.
PROVIDE CONVENIENT EYE WASH STATION
FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION.

INHALATION: IRRITATION.
WEAR APPROVED AMMONIA-TYPE RESPIRATOR IF EXPOSURE IS LIKELY.
REMOVE TO FRESH AIR. GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST

INGESTION: MAY CAUSE NAUSEA.
WEAR FACE SHIELD IF NEEDED.
AVOID SWALLOWING. RINSE MOUTH. DRINK LOTS OF WATER.
GET MEDICAL ATTENTION IF EFFECTS PERSIST.

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

IN THE EVENT OF SPILL OR RELEASE: REMOVE ALL IGNITION SOURCES, INCLUDING DOWNWIND. TAKE UP SMALL SPILLS WITH ABSORBENT. LARGER SPILLS SHOULD BE CONTAINED BY DIKING OR OTHERWISE AND COLLECTED FOR REUSE OR DISPOSAL. AVOID CONTACT WITH SKIN OR EYES.

RESPONSE PERSONNEL SHOULD USE EYE AND SKIN PROTECTION AND RESPIRATORS FOR AMMONIA IF NEEDED.

PRECAUTIONS FOR HANDLING AND STORAGE: KEEP CONTAINER CLOSED. DO NOT STORE NEAR ACIDS.
KEEP AWAY FROM HEAT AND IGNITION SOURCES. PROVIDE VENTILATION.
CHECK DAILY FOR ANY LEAKS. FROM CONTAINERS, VESSELS, PUMPS AND PIPING, AND REMEDY AS NECESSARY.

WASTE DISPOSAL METHOD: CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR APPROVED DISPOSAL PROCEDURES. IS A RCRA HAZARDOUS WASTE (IGNITABLE CHARACTERISTIC)

EMPTY CONTAINERS: TRIPLE RINSE BEFORE HANDLING AND DISPOSAL

OTHER PRECAUTIONS: NONE

SECTION 8: HMIS RATINGS

<u>3</u>	HEALTH	<u>0</u>	REACTIVITY
<u>2</u>	FLAMMABILITY	<u>H</u>	PERSONAL PROTECTION

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