

MATERIAL SAFETY DATA SHEET



603 N. Monitor Road
Springdale, AR. 72764
PH: 888-319-0882

R.I. (RUST INHIBITOR)

Page 1 of 2

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE CALL: CHEMTREC 1-800-424-9300 OUTSIDE US CALL 1-703-527-3887	FOR MEDICAL EMERGENCY CALL ROCKY MOUNTAIN POISON CENTER: 1-303-623-5716 OUTSIDE US CALL 703-527-3887	HEALTH HAZARD: (0 None > 4 Extreme) Health =2 Flammability =1 Reactivity = 0
---	---	---

SECTION 1 – PRODUCT IDENTIFICATION

DATE PREPARED: December 19, 2006

SUPERSEDES: April 21, 2006

PREPARED BY: Michael E. Elmore

D.O.T. SHIPPING CLASS: Class 55, Non-Hazardous Cleaning Compound.

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS. NO.	OSHA PEL	ACGIH TLV	ORAL LD50 RAT	Per-Cent
Morpholine	110-91-8	NE	20 ppm TWA	1913 mg/kg	5-10%

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: > 212 (Deg. F.)

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.00

VAPOR PRESSURE mm/hg: 8 mm @ 20 (Deg. C.)

VAPOR DENSITY (Air=1): 3

REACTIVITY IN WATER: None

pH 5% SOLUTION = 10

MELTING POINT: - 5 (Deg. C.)

APPEARANCE AND ODOR: Green colored liquid, ammonia odor

SECTION 4 – FIRE & EXPLOSION DATA

FLASH POINT: > 200 (Deg. F.)

FLAMMABILITY LIMITS IN AIR % BY VOLUME:

METHOD USED: TCC

LEL LOWER: NA

UEL UPPER: NA

AUTO-IGNITION TEMPERATURE: 275 (Deg. C.)

EXTINGUISHER MEDIA: Water, Fog, Alcohol Foam, Carbon Dioxide, or Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing equipment

UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic gases when heated to decomposition

SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers and mineral acids

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will NOT occur.

CONDITIONS TO AVOID: NA

SECTION 6 – HEALTH HAZARDS

ACUTE: Corrosive to body tissues

CHRONIC: Skin, liver and kidney injury.

SIGNS & SYMPTOMS OF EXPOSURE: Eye, skin or throat irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

CARCINOGEN OR POTENTIAL CARCINOGENS: OSHA: None NTP: None IARC: None ACGIH: None

EMERGENCY FIRST AID:

EYES: Immediately flush with water for 15 minutes. GET MEDICAL ATTENTION IMMEDIATELY!

SKIN: Wash thoroughly with water. Get medical attention if irritation persists. Launder contaminated clothing before re-use.

INHALATION: NA

INGESTION: Do NOT induce vomiting. Drink water or milk and get immediate medical attention.

ROUTES OF ENTRY:

INHALATION: Irritation or nausea

EYES: Irritation or burns

SKIN: Irritation or burns

INGESTION: Irritation or burns

SECTION 7 – SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES

HANDLING & STORAGE: Store in a cool dry area. DO NOT FREEZE. Keep closed when not in use.

OTHER PRECAUTIONS: Normal good housekeeping practices.

IN CASE OF SPILL: Shut off leak, if this can be done without injury. Absorb and neutralize with baking soda.

WASTE DISPOSAL: Dispose of in accordance with all Federal, State and Local pollution control regulations.

SECTION 8 – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If vapor is generated, use organic vapor respirator

VENTILATION: Use with adequate ventilation.

PROTECTIVE GLOVES: Rubber or plastic

EYE PROTECTION: Goggles or face shield

OTHER: Avoid contact with undiluted product.

HYGIENIC PRACTICES: Wash thoroughly after handling.

SECTION 9 – COMMUNITY RIGHT TO KNOW LISTCHEMICAL NAME:C.A.S. NO.

1.	Water	7732-18-5
2.	Morpholine	110-91-8
3.	Borate	26038-90-4

NA = Not Applicable

NE = None Established

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information herein is furnished without warranty of any kind.