

# MATERIAL SAFETY DATA SHEET



603 N Monitor Road  
Springdale, AR 72764  
PH: (479) 756-5874

PRODUCT NAME: RIPPER II

MSDS NO: 51700.06

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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

HEALTH HAZARD: (0 None > 4 Extreme)  
Health =3  
Flammability =0  
Reactivity =2

## SECTION 1 – PRODUCT IDENTIFICATION

DATE PREPARED: November 6, 2008

SUPERSEDES: April 21, 2006

PREPARED BY: Michael E. Elmore

D.O.T. SHIPPING CLASS: Refer to bill of lading or container label for DOT or other transportation hazard classification; ship in accordance with 49 CFR parts 100-185.

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS. NO.	OSHA PEL	ACGIH TLV	ORAL LD50 RAT	Per-Cent
Sodium Hydroxide *	1310-73-2	2 mg/m3 8 hr. TWA	2 mg/m3 Ceiling	140 mg/kg	5-10%
Sodium Metasilicate	6834-92-0	NE	NE	800 mg/kg	1-5%
Tetrasodium ethylenediamine tetraacetic acid	64-02-8	NE	NE	630 mg/kg	1-5%
Polycarboxylic Acid	68479-09-4	NE	NE	> 5000 mg/kg	1-5%

\*subject to reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372.

## SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: > 212 F

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.15

VAPOR PRESSURE mm/hg: 23 @ 70 F

VAPOR DENSITY (Air=1): 1.2

REACTIVITY IN WATER: Slight heat.

pH 5% SOLUTION = 12.4

MELTING POINT: 10 F

APPEARANCE AND ODOR: Red to brown liquid, mild odor.

## SECTION 4 – FIRE & EXPLOSION DATA

FLASH POINT: None

FLAMMABILITY LIMITS IN AIR % BY VOLUME:

METHOD USED: NA

LEL LOWER: NA

UEL UPPER: NA

AUTO-IGNITION TEMPERATURE: NA

EXTINGUISHER MEDIA: Water, Dry Chemical, Carbon Dioxide, Foam

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

## SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Aluminum, Zinc acids and galvanized metal

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will NOT occur

CONDITIONS TO AVOID: NA

## SECTION 6 – HEALTH HAZARDS

ACUTE: Corrosive to all body tissues.

CHRONIC: None Known

SIGNS & SYMPTOMS OF EXPOSURE: Irritation, burns

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

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

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**EMERGENCY FIRST AID:**

**EYES:** FLUSH MATERIAL OUT IMMEDIATELY, THEN SEEK MEDICAL ATTENTION! Flush eyes with large amounts of water for at least 15 minutes. holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness.

**SKIN:** IMMEDIATELY wash contaminated areas with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear and wash clothing before re-use. Discard footwear that cannot be decontaminated. **SEEK MEDICAL ATTENTION IMMEDIATELY!**

**INHALATION:** Remove to fresh air, if breathing is difficult, have a trained person administer oxygen. If respiration stops, give mouth-to-mouth resuscitation. **GET MEDICAL ATTENTION IMMEDIATELY!**

**INGESTION:** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. **SEEK MEDICAL ATTENTION IMMEDIATELY!**

**ROUTES OF ENTRY:**

**INHALATION:** Mist or spray may damage upper respiratory tract and/or damage lung tissue.

**EYES:** Destructive on contact. Severe burns can damage or blind.

**SKIN:** Destructive to tissue. A latent period may exist between exposure and sense of irritation.

**INGESTION:** Can cause severe burns and tissue perforation.

**SECTION 7 – SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES**

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

**OTHER PRECAUTIONS:** Normal good housekeeping practices.

**IN CASE OF SPILL:** Stop leak if this can be done without injury. Contain spill, remove as much as possible. Neutralize remaining spill with baking soda, flush with water. Reuse spilled material if possible.

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

**SECTION 8 – SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Use adequate ventilation

**VENTILATION:** Use with adequate ventilation.

**PROTECTIVE GLOVES:** Rubber or inert plastic

**EYE PROTECTION:** Goggles or Face Shield

**OTHER:** When handling, wear chemical splash goggles, face shield, rubber gloves and protective clothing.

**HYGIENIC PRACTICES:** Wash thoroughly after handling.

**SECTION 9 – COMMUNITY RIGHT TO KNOW LIST**

	<u>CHEMICAL NAME:</u>	<u>C.A.S. NO.</u>
1	Water	7732-18-5
2	Sodium Hydroxide	1310-73-2
3	Tetrasodium ethylenediamine tetraacetic acid	64-02-8
4	Polycarboxylic Acid	68479-09-4
5	Sodium Metasilicate	6834-92-0
6	Sodium Xylene Sulfonate	1300-72-7

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.