

MATERIAL SAFETY DATA SHEET



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

PRODUCT NAME: TUBMATE TORQUE
MSDS NO: 52862.06

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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 = 2 Flammability = 0 Reactivity = 1
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SECTION 1 – PRODUCT IDENTIFICATION

DATE PREPARED: February 07, 2006
PREPARED BY: Michael E. Elmore
D.O.T. SHIPPING CLASS: Non-hazardous, cleaning compound, class 55
SUPERSEDES: N/A

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS. NO.	OSHA PEL	ACGIH TLV	ORAL LD50 RAT	Per-Cent
Sodium Nitrite	7632-00-0	NE	NE	180 mg/kg	1-5%
Sodium Metasilicate	6834-92-0	NE	NE	800 mg/kg	30-50%
Sodium Carbonate	497-19-8	NE	NE	4000 mg/kg	25-40%
Ethoxylated Alcohol	Trade Secret	NE	NE	NE	1-5%
d-Limonene	5989-27-5	NE	NE	>4800 mg/kg	1-5%

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: NA
VAPOR PRESSURE mm/hg: NA
REACTIVITY IN WATER: None
MELTING POINT: 212 °F
APPEARANCE AND ODOR: Tan Powder
SOLUBILITY IN WATER: Soluble
VAPOR DENSITY (Air=1): NA
pH 5% SOLUTION = 12.7
SPECIFIC GRAVITY: 1

SECTION 4 – FIRE & EXPLOSION DATA

FLASH POINT: NA
METHOD USED: NA
AUTO-IGNITION TEMPERATURE: NA
EXTINGUISHER MEDIA: Water, Carbon Dioxide, Foam
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSION HAZARDS: None
FLAMMABILITY LIMITS IN AIR % BY VOLUME:
LEL LOWER: NA
UEL UPPER: NA

SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): NA
HAZARDOUS DECOMPOSITION PRODUCTS: Heat
HAZARDOUS POLYMERIZATION: will NOT occur
CONDITIONS TO AVOID: NA

SECTION 6 – HEALTH HAZARDS

ACUTE: Irritating and corrosive to eyes, skin, mucous membranes of the respiratory tract, mouth, throat, esophagus and stomach. Can cause permanent corneal damage.

CHRONIC: None Known

SIGNS & SYMPTOMS OF EXPOSURE: See ACUTE above

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

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

EMERGENCY FIRST AID:

EYES: Flush material out immediately then seek medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure complete irrigation of the eye/lids. **SEEK MEDICAL ATTENTION IMMEDIATELY!**

SKIN: Flush thoroughly with water while removing contaminated clothing and shoes. **SEEK MEDICAL ATTENTION IMMEDIATELY!**

Discard non-rubber shoes and wash clothing before re-use.

INHALATION: Remove to fresh air. If breathing is difficult have a trained person administer oxygen. **SEEK MEDICAL ATTENTION**

INTERNAL: If swallowed, **DO NOT INDUCE VOMITING**, give large quantities of water or milk. If vomiting occurs spontaneously, keep airways clear. **SEEK MEDICAL ATTENTION IMMEDIATELY!**

ROUTES OF ENTRY:

INHALATION: Exposure to mist or spray may cause coughing or sneezing. Overexposure may result in lung tissue damage.

EYES: Can cause tissue destruction and permanent eye damage if not treated immediately.

SKIN: Can be a severe irritant. May be corrosive and cause severe burns if not washed immediately.

INGESTION: Corrosive to mucous membranes of the mouth, throat, esophagus and stomach.

SECTION 7 – SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES

HANDLING & STORAGE: Store in a cool dry area. Keep closed when no in use.

OTHER PRECAUTIONS: None

IN CASE OF SPILL: Sweep up spilled material.

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

SECTION 8 – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Nuisance dust

VENTILATION: Use with adequate ventilation

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Goggles

OTHER: Waterproof suit and boots may be worn

HYGIENIC PRACTICES: Wash thoroughly after handling

SECTION 9 – COMMUNITY RIGHT TO KNOW LIST

	<u>CHEMICAL NAME:</u>	<u>C.A.S. NO.</u>
1.	Sodium Metasilicate	6834-92-0
2.	Sodium Tripoly Phosphate	7758-29-4
3.	Ethoxylated Alcohol	Trade Secret
4.	Sodium Carbonate	497-19-8
5.	d-Limonene	5989-27-5
6.	Sodium Nitrite	7632-00-0

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.