



Go #566

MATERIAL SAFETY DATA SHEET

Env
fare (42)

METALNOX® M6410DT

1. COMPANY NAME AND ADDRESS:

NFPA Rating: H=1, F=0, R=0

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Effective: May 12, 2003
Supersedes: March 5, 2002

2. INGREDIENTS:

Regulatory Information

Hazardous Components	CAS Number	Approximate %	OSHA PEL *	ACGIH TLV **
Tris(hydroxyethyl)amine	102-71-6	0-5	None established	5 mg/m ³

- ◆ No other ingredients identified by OSHA as hazardous chemical substances are known to be present at or above levels specified under *29 CFR Section 1910.1000, July 1, 1992. Also, no carcinogens are present at 0.1% or more listed in NTP Annual Report on Carcinogens, IARC Monographs or 29CFR 1910.Subpart Z.
- ◆ All ingredients are TSCA listed.
- ◆ None of the ingredients are regulated under Section 313 of Title III of SARA of 1986 and 40 CFR 372.65 or as a hazardous substance per 40 CFR 302 and 40 CFR 372.45.

** 1997 recommendation, American Conference of Governmental Industrial Hygienists

3. PHYSICAL DATA:

Boiling Point	> 210°F	pH (10% Solution)	6.8 – 7.8
Vapor Pressure (Calculated)	16.4 mm Hg @ 20°C (approx.)	pH (100% Solution)	7.3 – 8.3
Vapor Density (Calculated)	< 1 (Air=1)	Appearance	Colorless hazy liquid
Volatile Organic Compound (VOC):	181.5 g/L (100%)	Odor	Nutty almond odor
EPA Method 24:	18.2 g/L (10%)	Solubility in Water	Complete

4. FIRE AND EXPLOSION HAZARD DATA:

Flash Point: (CC)	None to boiling
Extinguisher Media:	Dry chemical, carbon dioxide, and/or foam.
Special Fire Fighting Procedures	Fire fighter should have clothing and eye protection and wear self-contained breathing apparatus.

5. PHYSICAL HAZARDS / REACTIVITY DATA:

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong oxidizers
Hazardous Decomposition:	Combustion will result in the release of the usual decomposition products including oxides of carbon and nitrogen.
Other:	Do not add nitrates due to possible formation of nitrosoamines.

6. SPILL OR LEAK PROCEDURES:

Small Spill:	Pick up spill on absorbent, non-combustible material. Wipe area with water to remove last traces.
Large Spill:	Dike area to prevent spreading. Absorb residual material with sand or other absorbent material. Rinse area with fresh water. Wet areas could be slippery. Mop or wipe dry and post area to avoid falls.
Disposal of Material:	This material is not a hazardous waste as defined in 40 CFR Section 261.3. Consult your local, federal, state, county, or city regulations on proper methods of disposal.

7. HEALTH HAZARD DATA:

<u>Signs and Symptoms of Acute Exposure</u>		<u>Emergency First Aid Procedures</u>
Eyes:	Irritation upon direct contact	Flush eyes immediately with plenty of fresh water for at least 15 minutes; get medical attention.
Skin:	Irritation upon direct contact	Wash with plenty of fresh water. Remove contaminated clothing. If irritation persists, get medical attention.
Inhalation:	Not likely, however, if material did become airborne, irritation may occur.	Remove to fresh air.
Ingestion:	None known.	Give one to two glasses of water; do not induce vomiting. Get medical attention.

Chronic Health Effects (for the chemical mixture):
None.

Chronic Health Effects (for Individual Components):
Tris(hydroxyethyl)amine: Prolonged or repeated overexposure to high concentrations of this ingredient by oral or dermal administration has shown liver, kidney and nerve damage in laboratory animals.

Chemical Ingredients Listed as a Carcinogen or Potential Carcinogen

National Toxicology Program:	No
IARC Monographs:	No
OSHA Regulated:	No

8. SPECIAL PROTECTION AND CONTROL MEASURES:

Handling and Storage:	Keep containers tightly closed. Store in cool (60-80°F) ventilated area.
Respiratory Protection:	None
Ventilation:	Mechanical (general) sufficient
Protective Gloves:	Recommended. (Neoprene or similar)
Eye Protection:	Recommended
Other Protective Equipment:	Eye fountain, safety shower.
Work Hygiene Practices:	Do not drink, or smoke when handling this material.
Other Precautions:	Avoid strong acids and oxidizers.

Note: Personal protection information given is based upon the general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

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