

MATERIAL SAFETY DATA SHEET

MAGNAGLO® WATER CONDITIONER WA-4

1. IDENTIFICATION

Company: MAGNAFLUX
Address: 3624 West Lake Avenue, Glenview, Illinois 60026
Telephone No.: 847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).
Product Use: Water conditioner/rust inhibitor.
Packages: 1 gallon and 5 gallon pails.
NFPA Rating: Health 2, Flammability 1, Reactivity 1.
PIN (Canada): None
Revision Date: September 5, 2007

2. INGREDIENTS

<u>Ingredient</u>	<u>Wt./Wt. %</u>	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
Triethanolamine	40-50	102-71-6	5mg/m ³	not avail.	4.92 ml/kg (oral/rat)	not avail.
Sodium nitrite	10-30	7632-00-0	not avail.	5 mg/kg (oral/rat)	85 mg/kg (oral/rat)	1.45 mg/kg (4hr rat)
Poly (oxy-1,2-ethanediyl),alpha-(octylphenyl)-omega-hydroxy-	10-30	9036-19-5	not avail.	not avail.	1.3 g/kg (oral/rat)	8.9mg/kg
Diethanolamine	7-13	111-42-2	3 ppm	not avail.	2g/kg (oral/guinea pig)	not avail.
Ethylene glycol	1-3	107-21-1	50 ppm (ceiling)	50 ppm	4.6 g/kg (oral/rat)	10.8 g/kg(rat)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
 Alkaline oily liquid which may irritate the skin and eyes.

POTENTIAL HEALTH EFFECTS

Skin Contact: Can irritate by removing natural skin oils on prolonged or repeated exposures.
Eyes: Irritating.
Inhalation: Not significant at room temperature. Heated vapors may cause dizziness or nausea.
Ingestion: Sodium nitrite is toxic, removes oxygen from blood. A single mouthful of WA-4 concentrate contains a harmful amount.
Medical conditions known to be aggravated by exposure to product: None
Warning: This product contains Triethanolamine. Repeated exposure may cause liver and kidney damage.

4. FIRST AID

Skin Contact: Wash off with soap and water. Use soothing lotion.
Eyes: Rinse carefully under upper and lower eyelids using plenty of water.
Inhalation: Remove to fresh air if dizzy or nauseated.
Ingestion: Call physician immediately.

NOTE: In all severe cases, contact physician immediately. Local telephone operators can furnish number of regional poison control center.

5. FIRE HAZARD

Conditions of flammability: None.
Flash point: Min. 300°F (149°C) (Pensky-Martens closed cup)
Flammable limits in air: None
Extinguishing media: Water
Special fire fighting procedures: None
Hazardous combustion products: Smoke, soot, oxides of carbon and nitrogen.
Unusual fire hazards: None

6. ACCIDENTAL RELEASE MEASURES

Mop or sweep up. (For disposal, see Section 13).

7. HANDLING AND STORAGE

Keep out of eyes.

Avoid repeated or prolonged skin contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls: None, unless applied as a spray. Use where ventilation will carry spray mist away from occupied areas.

Personal protection: Wear safety glasses to protect eyes.

Wear nitrile rubber gloves if hand exposure is unavoidable.

9. PHYSICAL PROPERTIES

Initial boiling point (bulk): 212°F(100°C) ASTM-86

Percent volatile: 15%

Density/sp. gravity: 1.1

Water solubility: 100%

pH: 9.5-10

Vapor pressure: 25mm @ 100°F (38°C)

Vapor density: Lighter than air

Evaporation rate: Like water

Appearance: Clear, pale amber liquid

Odor: Amine odor

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Acids

Hazardous decomposition products: If heated to combustion temperature, soot, oxides of carbon and nitrogen.

Reactivity: None

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.

Threshold limit value: Not established.

WHMIS information (Canada): According to available information, the ingredients, except for ethylene glycol, have not been found to show reproductive toxicity, teratogenicity, mutagenicity, skin sensitization, or synergistic toxic effects with other materials. However, ethylene glycol is suggested to be an animal teratogen, based on dose-related studies in rats and mice. Currently there is no available information to suggest teratogenic effects in humans.

12. ECOLOGICAL INFORMATION

No data is available on WA-4.

13. DISPOSAL

As a non-hazardous oily waste, incinerate or send to waste handler who can blend it into secondary fuels.

RCRA: Not a hazardous waste

U.S. EPA Waste Number: None

14. TRANSPORTATION

U.S. DOT: 49 CFR 172.101 Hazardous Materials Table

Proper shipping name: None, not restricted

Hazard class or division: None

Identification No.: None

Packing Group: None

Note: This product contains a chemical (Triethanolamine) listed on the Commerce Control List (CCL). Prior to any export shipment, check the country destination to determine if an export license is required.

15. REGULATORY INFORMATION

TSCA: All ingredients are listed in TSCA inventory.

CERCLA: Reportable Quantity (RQ) for sodium nitrite and diethanolamine = 100 lbs. The RQ for Ethylene Glycol = 5000lbs.

SARA TITLE III, Section 313: Sodium Nitrite, Ethylene Glycol and Diethanolamine

California Proposition 65: Warning: This material may contain trace amounts of chemicals known to the state of California to cause cancer and/or birth defects and/or reproductive harm.

WHMIS Class (Canada): D-2A

Note: This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. OTHER INFORMATION

Revision Statement: Review

Supersedes: October 26, 2004

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