

MATERIAL SAFETY DATA SHEET

MAGNAGLO® WATER CONDITIONER WC-1

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: 5 gallon pails.
NFPA Rating: Health 2, Flammability 1, Reactivity 1.
PIN (Canada): None
Revision Date: 4/16/10

2. INGREDIENTS

<i>Ingredient</i>	<i>Wt./Wt. %</i>	<i>CAS #</i>	<i>TLV</i>	<i>PEL</i>	<i>LD₅₀</i>	<i>LC₅₀</i>
Triethanolamine	10-20	102-71-6	not avail.	not avail.	4.92 ml/kg (oral/rat)	not avail.
Monoethanolamine	10-30	141-43-5	not avail.	3ppm	2.2 g/kg (oral/rat)	1.0 g/kg (skin/rabbit)
Dibasic Acids	10-30	72162-23-3	not avail.	not avail.	5.0 g/kg (oral/rat)	not avail.
Alcohol Ethoxylate	10-30	proprietary	not avail.	not avail.	3g/kg (oral/rat)	not avail.

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: Do not ingest. Oral LD₅₀ not established.
Medical conditions known to be aggravated by exposure to product: None
Warning: This product contains Triethanolamine and monoethanolamine. 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.

MAGNAFLUX

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9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	212°F(100°C) ASTM-86	<i>Vapor pressure:</i>	25mm @ 100°F (38°C)
<i>Percent volatile:</i>	45%	<i>Vapor density:</i>	Lighter than air
<i>Density/sp. gravity:</i>	1.1	<i>Evaporation rate:</i>	Like water
<i>Water solubility:</i>	100%	<i>Appearance:</i>	Clear, light straw yellow to dark amber liquid
<i>pH:</i>	9.0-10	<i>Odor:</i>	Amine odor

10. **STABILITY AND REACTIVITY**

<i>Stability:</i>	Stable
<i>Incompatibility:</i>	Acids
<i>Hazardous decomposition products:</i>	If heated to combustion temperature, soot, oxides of carbon and nitrogen.
<i>Reactivity:</i>	None

11. **TOXICOLOGICAL INFORMATION**

<i>Carcinogenicity:</i>	Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH. This product contains an alkanolamine. There is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to WC-1.
<i>Threshold limit value:</i>	Not established.
<i>WHMIS information (Canada):</i>	According to available information, the ingredients have not been found to show reproductive toxicity, teratogenicity, mutagenicity, skin sensitization, or synergistic toxic effects with other materials.

12. **ECOLOGICAL INFORMATION**

No data is available on WC-1.

13. **DISPOSAL**

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

<i>RCRA:</i>	Not a hazardous waste
<i>U.S. EPA Waste Number:</i>	None

14. **TRANSPORTATION**

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

<i>Proper shipping name:</i>	None, not restricted
<i>Hazard class or division:</i>	None
<i>Identification No.:</i>	None
<i>Packing Group:</i>	None

15. **REGULATORY INFORMATION**

<i>TSCA:</i>	All ingredients are listed in TSCA inventory.
<i>CERCLA:</i>	None.
<i>SARA TITLE III, Section 313:</i>	None
<i>California Proposition 65:</i>	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.
<i>WHMIS Class (Canada):</i>	D-2B

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

16. **OTHER INFORMATION**

<i>Revision Statement:</i>	Appearance and Package size
<i>Supersedes:</i>	1/13/2010
<i>Prepared by:</i>	Laurie Marx, Production Chemist