

MATERIAL SAFETY DATA SHEET

MAGNAGLO® CORROSION INHIBITOR AX-52

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: Corrosion inhibitor
Packages: 1 gallon jug, 5 gallon pail, 55 gallon drum.
NFPA Rating: Health 2, Flammability 1, Reactivity 0.
PIN (Canada): None
Revision Date: October 26, 2004

2. INGREDIENTS

<u>Ingredient</u>	<u>Wt./Wt.%</u>	<u>CAS#</u>	<u>TLV</u>	<u>PEL</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
Ethanol, 2-amino-	1-5	141-43-5	not avail.	not avail.	not avail.	not avail.
Triethanolamine	1-5	102-71-6	5mg/m ³	not avail.	4.92 ml/kg (oral/rat)	not avail.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Alkaline liquid which can irritate eyes and skin in its concentrated form.

POTENTIAL HEALTH EFFECTS

Skin Contact: May irritate by removing natural skin oils on long or repeated exposures.
Eyes: May irritate.
Inhalation: TLV for product not established. Mists may cause respiratory irritation.
Ingestion: Do not ingest. Oral LD₅₀ not established.
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: If respiratory discomfort or irritation occurs, move the person to fresh air.
Ingestion: If swallowed, induce vomiting immediately as directed by medical personnel.
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: Over 200°F
Flammable limits in air: None
Extinguishing media: Water, dry chemical, CO₂, or "alcohol" foam.
Special fire fighting procedures: None
Hazardous combustion products: Smoke, soot, oxides of carbon and nitrogen.
Unusual fire hazards: None

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Avoid eye contact.
Avoid repeated or prolonged skin contact.
Avoid breathing mists.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls: None
Personal protection: Nitrile rubber gloves if hand exposure is unavoidable
Safety glasses

9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	212°F (100°C)	<i>Vapor pressure:</i>	Not available
<i>Percent volatile:</i>	75%	<i>Vapor density:</i>	Not available
<i>Density/sp. gravity:</i>	1.08/0.01	<i>Evaporation rate:</i>	Like water
<i>Water solubility:</i>	100%	<i>Appearance:</i>	Pale yellow liquid
<i>pH:</i>	Bulk: 9.3 - 9.9	<i>Odor:</i>	Slight ammonia odor

10. **STABILITY AND REACTIVITY**

<i>Stability:</i>	Stable under normal conditions.
<i>Incompatibility:</i>	Strong oxidizers, strong bases, strong acids.
<i>Hazardous decomposition products:</i>	If heated to combustion temperature, soot, smoke, 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 AX-52.
<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 AX-52.

13. **DISPOSAL**

Dispose of as ordinary waste.

<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>	Not reportable
<i>SARA TITLE III, Section 313:</i>	No reportable ingredients
<i>California Proposition 65:</i>	Contains nothing on this list
<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>	Sections: 2, 3, 14
<i>Supersedes:</i>	MSDS dated: 10/26/01
<i>Prepared by:</i>	Shawn Kilty, Research Chemist