

## MATERIAL SAFETY DATA SHEET

MAGNAGLO® ANTI-FOAMER ZAF-2

### 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:** Anti-foamer  
**Packages:** 1 pint bottle, 1 gallon jug  
**NFPA Rating:** Health 2, Flammability 1, Reactivity 0  
**PIN (Canada):** None  
**Revision Date:** September 17, 2010

### 2. INGREDIENTS

<u>Ingredient</u>	<u>Wt./Wt. %</u>	<u>CAS #</u>	<u>TLV</u>	<u>PEL</u>	<u>LD<sub>50</sub></u>	<u>LC<sub>50</sub></u>
5-Decyne-4,7-diol,2,4,7,9-tetramethyl-	50	126-86-3	not avail.	not avail.	4.7 g/kg (oral/rat)	20 mg/L (1hr/rat)
Ethylene Glycol	50	107-21-1	50 ppm (ceiling)	125 ppm	4.7 g/kg (oral/rat)	>20mg/l (rat)

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
**Oily liquid which will irritate the eyes and respiratory tract in concentrated form.**

#### POTENTIAL HEALTH EFFECTS

**Skin Contact:** Can irritate by removing natural skin oils on long or repeated exposures.  
**Eyes:** Severely irritating.  
**Inhalation:** Mist or fog vapors may cause harm if inhaled.  
**Ingestion:** May cause headache or nausea unless treated promptly.  
**Medical conditions known to be aggravated by exposure to product:** Eye disease. Liver disorders.

### 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:** If swallowed, contact 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:** Heating above 200°F (93°C) in presence of ignition sources.  
**Flash point (Bulk):** Greater than 230°F (110°C) (Pensky Martens closed cup).  
**Flammable limits in air:** None  
**Extinguishing media:** Carbon dioxide, foam, or dry chemical  
**Special fire fighting procedures:** Keep containers cool with water spray.  
**Hazardous combustion products:** Flammable hydrocarbon fragments.  
**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 breathing spray mist.  
 Avoid repeated or prolonged skin contact.  
 Avoid eye contact.  
 Store away from heat sources.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Controls:** None, unless applied as 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. Respirator with filter if sprayed in enclosed, unventilated space.

9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	Min. 390°F (198°C) (ASTM D-86)	<i>Vapor pressure:</i>	<1mm @ 70°F(21°C)
<i>Percent volatile:</i>	No data	<i>Vapor density:</i>	No data
<i>Density/sp. gravity:</i>	1.0	<i>Evaporation rate:</i>	No data
<i>Water solubility:</i> Slight	<i>Appearance:</i>	Clear, colorless liquid	
<i>pH:</i>	Neutral	<i>Odor:</i>	Menthol odor

10. **STABILITY AND REACTIVITY**

<i>Stability:</i>	Stable
<i>Incompatibility:</i>	None
<i>Hazardous decomposition products:</i>	Flammable hydrocarbon fragments.
<i>Reactivity:</i>	None

11. **TOXICOLOGICAL INFORMATION**

<i>Carcinogenicity:</i>	Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
<i>Threshold limit value:</i>	Not established.
<i>WHMIS information (Canada):</i>	2,4,7,9-Tetramethyl-5-decyne-4,7-diol has 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 ZAF-2. It is not biodegradable in the concentrated form.

13. **DISPOSAL**

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

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>	Reportable Quantity (RQ) of Ethylene Glycol = 5000 lbs.
<i>SARA TITLE III, Section 313:</i>	Ethylene Glycol
<i>California Proposition 65:</i>	Contains nothing on this list
<i>WHMIS Class (Canada):</i>	D-2B, D-2A

**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>	Section 13
<i>Supersedes:</i>	September 5, 2007