

MATERIAL SAFETY DATA SHEET

123 CLEANER[®]

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: Pre-cleaner for penetrant inspection
Packages: 1 gallon can, 5 gallon pail, 55 gallon drums
NFPA Rating: Health 2, Flammability 1, Reactivity 0
PIN: None
Revision Date: October 26, 2004

2. HAZARDOUS INGREDIENTS

| <u>Inгредиент</u> | <u>Wt./Wt. %</u> | <u>CAS #</u> | <u>TLV</u> | <u>PEL</u> | <u>LD₅₀</u> | <u>LC₅₀</u> |
|-------------------------------------------------------------|------------------|--------------|----------------------|------------------|----------------------------|---------------------------------------|
| Poly (oxy-1,2-ethanediyl),alpha-(nonylphenyl)-omega-hydroxy | 30-60 | 9016-45-9 | not avail. 35 ppm | not avail. | 2 g/kg (oral/rat) | 4.8 mg/L (96hr/Flathead Minnow) |
| Diethylene glycol monobutyl ether | 30-60 | 112-34-5 | (TWA8) 25 ppm | not avail. | 2.2g/kg (oral/rabbit) | not avail. |
| 2-methyl-2,4-pentanediol | 3-7 | 107-41-5 | (ceiling) | 25 ppm (ceiling) | 2.8 g/kg (oral/guinea pig) | 5 mg/L (Rat) |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

**Bland, oily liquid which may irritate the skin and eyes.
Difficult to ignite, but will burn vigorously if engulfed in fire.**

POTENTIAL HEALTH EFFECTS

Skin Contact: Can irritate by removing natural skin oils on long or repeated exposures.
Eyes: Severely irritating.
Inhalation: Not significant at room temperatures. When heated or sprayed, 123 Cleaner vapors may cause dizziness and nausea.
Ingestion: Not significant in small (mouthful) amounts.
Medical conditions known to be aggravated by exposure to product: None

4. FIRST AID

Skin Contact: Wash off with soap and water. Use soothing lotion.
Eyes: Rinse carefully under upper & lower eyelids using plenty of water.
Inhalation: Remove to fresh air.
Ingestion: Do not induce vomiting. Accidental ingestion of a small mouthful is not expected to cause significant harm.
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: Min. 200° F (93° C) (Pensky-Martens closed cup)
Flammable limits in air: 1% to 6%
Extinguishing media: Carbon dioxide, foam, water spray, dry chemical
Special fire fighting procedures: Keep containers cool with water spray. In use, 123 Cleaner is dissolved into water, nearly eliminating its ability to burn.
Hazardous combustion products: Smoke, soot, oxides of carbon
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 eye contact.
Avoid repeated or prolonged skin contact.

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 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. 385°F (196°C) (ASTM D-86) | <i>Vapor pressure:</i> | Not established |
| <i>Percent volatile:</i> | 50% | <i>Vapor density:</i> | Heavier than air |
| <i>Density/sp. gravity:</i> | 1.00 | <i>Evaporation rate:</i> | Not established |
| <i>Water solubility:</i> | 100% | <i>Appearance:</i> | Clear oily liquid |
| <i>pH:</i> | Neutral | <i>Odor:</i> | Mild, characteristic |

10. **STABILITY AND REACTIVITY**

Stability: Stable
Incompatibility: None
Hazardous decomposition products: Soot, oxides of carbon if heated to combustion temperatures.
Reactivity: None

11. **TOXICOLOGICAL INFORMATION**

Carcinogenicity: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
Threshold limit value: 5 mg/m³ for oily mist
WHMIS information (Canada): 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 123 Cleaner. It dissolves into water and is biodegradable. Its low vapor pressure may exempt it from VOC restrictions.

13. **DISPOSAL**

Disposal of soil-laden cleaner is dependent on soil type. Consult federal, state and local regulations.
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

15. **REGULATORY INFORMATION**

TSCA: All ingredients are listed in TSCA inventory.
CERCLA: Not reportable
SARA TITLE III, Section 313: Glycol ethers (313 category code = N230)
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-2B
Note: This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. **OTHER INFORMATION**

Revision Statement: Sections: 2, 14, 15
Supersedes: MSDS dated 10/26/01
Prepared by: Shawn Kilty, Research Chemist

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