

MATERIAL SAFETY DATA SHEET

Date-Issued: 08/23/2000
MSDS Ref. No: 95582
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Revision No: New MSDS

Capsil™

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Capsil™

PRODUCT DESCRIPTION: Polyether Modified Polysiloxane

MANUFACTURER

The Scotts Company
Hyponex - Miracle Gro - Scotts Sierra
14111 Scottslawn Road
Marysville, OH 43041
Customer Service: 1-800-225-2883

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

PN:

95582

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polyether Modified Polysiloxane*		None	None

COMMENTS:

*Consists of a blend of polyether - polymethylsiloxane-copolymer and nonionic surfactant.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

Clear to pale yellow liquid, faint polyether odor

IMMEDIATE CONCERNS:

Not considered a hazardous substance.

POTENTIAL HEALTH EFFECTS

EYES:

May cause irritation with prolonged or repeated contact.

SKIN:

May cause irritation.

INGESTION:

Mildly toxic based on acute animal studies.

INHALATION:

Inhalation of vapors and mists maybe irritating to respiratory tract tissues.

ROUTES OF ENTRY:

Dermal

COMMENTS:

KEEP OUT OF REACH OF CHILDREN.

4. FIRST AID MEASURES

EYES:

Flush with water for 15 minutes or more (if easy to do so, remove contact lenses); if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.

SKIN:

Remove soiled or soaked clothing immediately. Wash off area immediately with soap and water. Consult a physician if irritation persists.

INGESTION:

Seek medical attention and show MSDS.

INHALATION:

Remove individual from source of exposure to fresh air. If individual is not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

NOTES TO PHYSICIAN:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD:

>(212°F)TAG CC

FLAMMABLE CLASS:

IIIB

EXTINGUISHING MEDIA:

Foam, Carbon Dioxide, Dry Chemical, and Water Spray.

EXPLOSION HAZARDS:

None

FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Do not inhale explosion and/or combustion gases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Buring can produce carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

Evacuate the spill area except for clean-up personnel. Wear NIOSH/MSHA approved respirator and protective equipment. Control spill with absorbent pads or booms. If necessary, apply granular or loose sorbent to spill. When absorbed, sweep up otherwise collect and dispose of properly. Dispose in accordance with local, state and federal regulations.

COMMENTS:

Dispose in accordance with local, state and federal regulations. Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted treatment facilities is recommended.

7. HANDLING AND STORAGE

HANDLING:

Avoid inhalation of vapor or mist. Avoid contact with eyes or skin. Keep containers closed and use only with adequate ventilation. Wash hands before breaks and after working.

STORAGE:

Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

Wear appropriate protective safety goggles/glasses as described in 29 CFR 1910.133. A full-face shield and eyewash station are recommended.

SKIN:

Skin contact should be minimized through use of appropriate clothing and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance. USDA accepted Nitrile (CFR-20) or neoprene rubber (CFR-21) gloves are recommended.

RESPIRATORY:

When work conditions are such that aerosols or mists may be generated or present, use a suitable NIOSH/MSHA approved respirator. Under normal conditions with adequate ventilation, no protection is necessary.

WORK HYGIENIC PRACTICES:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

COMMENTS:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Liquid

ODOR:

Faint Polyether

APPEARANCE:

Clear to pale yellow liquid

pH:

6.0 to 8.0

FREEZING POINT:

Not Established

SPECIFIC GRAVITY:

1.0

VISCOSITY:

Not Established

COMMENTS:**PHYSICAL STATE:**

Physical and Chemical properties here respresent typical properties of this product.

VAPOR DENSITY:

Heavier than air

WATER SOLUBILITY:

Soluble

10. STABILITY AND REACTIVITY

STABLE:

YES

HAZARDOUS POLYMERIZATION:**CONDITIONS TO AVOID:**

Burning can produce carbon monoxide and carbon dioxide.

STABILITY:

This material is stable under normal handling and storage conditions.

POLYMERIZATION:

Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal

INCOMPATIBLE MATERIALS:

None Known.

11. TOXICOLOGICAL INFORMATION

ACUTE**EYES:**

Moderate irritation (based upon chemically similar formulation).

DERMAL LD₅₀:

Dermal LD 50 (rat): >2000 mg/kg. Dermal irritation (rabbit): slight irritation.

ORAL LD₅₀:

LD50 (rat): 3612 mg/kg.

INHALATION LC₅₀:

LC50-4HR (rat): 1.08 mg/l.

CARCINOGENICITY:

IARC:

No

NTP:

No

OSHA:

No

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Dispose in accordance with local, state and federal regulations. Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted treatment facilities is recommended.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:

This product is not DOT regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE:

NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: NO CHRONIC: NO

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is exempt from tolerance under FIFRA per 40 CFR part 180.1001(c).

FDA (FOOD AND DRUG ADMINISTRATION):

This product meets the compositional requirements of 21 CFR 176.210 DEFOAMING AGENTS USED INOF PAPER & PAPERBOARD.

PROPOSITION 65 STATEMENT:

None

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH:

2 FIRE: 1 REACTIVITY: 0

HMIS CODES

HEALTH:

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MANUFACTURER DISCLAIMER:

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COMMENTS:

For additional information concerning product use, call The Scotts Company Consumer Services at 800-225-2883. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.