1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: VESTIS™ - OMRI Certified Spreader

Supplier: PRECISION LABORATORIES, LLC
1429 S. SHIELDS DRIVE
WAUKEGAN, IL  60085

Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
For MSDS, Product Safety, or Regulatory inquiries, call: (847) 596-3001
Customer Service, call: (800) 323-6280

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>% By Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siloxane polyalkyleneoxide copolymer</td>
<td>Proprietary</td>
<td></td>
<td></td>
<td>&gt;70</td>
</tr>
<tr>
<td>Polyalkylene oxide</td>
<td>Proprietary</td>
<td></td>
<td></td>
<td>&lt;30</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
WARNING! Aerosol harmful if inhaled. Vapor may cause blurring of vision. Repeated ingestion may cause damage to the liver, kidneys, thyroid, male and female reproductive system, and blood-forming system. Repeated inhalation of aerosol of the neat liquid may cause damage to the eyes, blood-forming system, kidneys, thymus, respiratory tract, and nasal cavity.

NFPA Hazard Rating:

Primary Routes of Exposure:
- Eyes: No
- Skin: No
- Oral: No
- Inhalation: No

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Signs and Symptoms of Exposure:
- Eye contact: Causes discomfort. May cause redness of the conjunctivae, iridal inflammation, tear production. Injury to the cornea is not expected.
- Skin contact: Prolonged contact may result in minor irritation, transient local redness or swelling.
- Inhalation: Harmful effects are not expected from static vapor at ambient temperature. Inhalation of an aerosol of the neat material within a confined space could result in respiratory distress and eye injury. Effects of repeated overexposure to aerosol may cause damage to respiratory tract and injury to the eyes, nasal cavity or blood-forming system.
- Ingestion: Effects of repeated overexposure may cause: injury to the liver, kidney, thyroid, blood-forming system, and male and female reproductive systems.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE

Eye Exposure: Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes, including under the lids. Seek medical attention if symptoms persist.

Skin Exposure: Wash affected area with plenty of soap and water for at least five minutes while removing contaminated clothing. Seek medical attention if irritation develops.

Inhalation: If vapors or mist cause irritation, move individual to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Give two glasses of water to drink. Never give fluids or force vomiting if individual is unconscious, having convulsions or has no gag reflex. Seek medical attention.

Medical Conditions Aggravated by Overexposure: May aggravate an existing dermatitis.
5. FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

Flammability: N/D  LEL: N/D  UEL: N/D

Auto-ignition temperature: N/D  Flash Point: 289°F (143°C), ASTM D 93

Extinguishing Media: All standard extinguishing methods are suitable.
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Hazardous Thermal Decomposition/Combustion Products: Carbon oxides, oxides of silicon, formaldehyde. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300°F (150°C) and above, in atmospheres which contain oxygen.

6. ACCIDENTAL RELEASE MEASURES

Evacuate the spill area, except for cleanup personnel. Wear NIOSH/MSHA-approved respirator and protective equipment as referenced in Section 8 below. Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Do not allow entry into sewer, waterway or ground. Product is slippery under foot; flush smooth surfaces thoroughly. See Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Precautions to be Taken in Handling: Keep container closed. Avoid direct or prolonged contact with skin or eyes. Wear appropriate equipment and clothing to prevent repeated or prolonged skin contact as referenced in Section 8 below. Use in areas with adequate mechanical exhaust ventilation, or wear respirator. Consult manufacturer before using an aerosol of the neat liquid.

Precautions to be Taken in Storage: Protect from freezing. Partially used containers should be tightly resealed between uses for maximum storage stability.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Note: When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

Eye Protection: Wear protective eyewear. Contact lenses should not be worn when working with chemicals.
Skin Protection: To minimize skin contact, wear: long-sleeved shirt; long pants; socks; shoes; barrier laminate, neoprene rubber, nitrile rubber or Viton® gloves. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.
Inhalation Protection: Not required under normal use conditions with good ventilation. Protect against spray mists. Respirator recommended in areas of poor ventilation.
Other Protection: Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk or the work area per ANSI Z358.1-1990.
Personal Protection in Case of Large Spill: Splash goggles. Full suit. Boots, gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance & Odor: Pale yellow liquid with moderate polyether odor.
Boiling Point: >302°F (150°C) copolymer.

pH:  
Density 1.002 g/cm³
Solubility in Water: Dispersible.

10. STABILITY AND REACTIVITY

Chemical Stability: None known.
Incompatibility: None known.
Hazardous Decomposition Products: None known.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None known.
11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL**
LD50; Species: Rat; > 2,000 mg/kg.

**ACUTE DERMAL**
LD50; Species: Rat; > 2,000 mg/kg. Remarks: Low order of toxicity.

**ACUTE INHALATION**
LC50; Species: Rat; 2 mg/l. Remarks: Aerosol. The health hazard evaluation is based on the toxicological properties of a similar material.
LC50; Species: Rat; > 11.78 mg/l; Remarks: 5% Diluted aqueous solution, aerosol. The health hazard evaluation is based on the toxicological properties of a similar material.

12. ECOLOGICAL INFORMATION

No ecological information is available for this product.

13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Dispose of material in compliance with applicable federal, state and local environmental regulations. Recycle or rework material if at all possible. Incinerate material at an approved facility, or treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval of waste samples.

**Container Reuse:** An empty container can contain product residue, and should be not reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

14. TRANSPORT INFORMATION

**DOT Status (Highway and rail):** Hazard class 9. Environmentally hazardous substances, liquid, n.o.s. (polyalkyleneoxide modified heptamethyltrisiloxane).

**IATA Status (Air):** Environmentally hazardous substances, liquid, n.o.s. (polyalkyleneoxide modified heptamethyltrisiloxane).

15. REGULATORY INFORMATION

**SARA HAZARD:** Acute health hazard; chronic health hazard.

**WHMIS:**
D2A—Very toxic material causing other toxic effects.
D2B—Toxic material causing other toxic effects.

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, LLC MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/R—Not Rated
N/D—Not Determined
N/A—Not Applicable
N/E—Not Established