



BioPreserve
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Ver. 3.9 Revised 09/20/2007
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MATERIAL SAFETY DATA SHEET

Section 1 - Material Identity

Trade/Product Name: SoyGuard® Premium Water Repellent and Sealer
Chemicals/Ingredients: Methyl Esters CAS # 67784-80-9
Polystyrene CAS # 009003-53-6
SARA Hazard: None noted (Section 311/312) Title III Section 313 – Not Listed.

Section 2 - Hazardous Ingredients

Contains no hazardous ingredients as defined under the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3 – Physical/Chemical Characteristics

Boiling Point: 292° F (144° C) (ASTM D86)
Vapor Pressure: Less Than 1mm Hg at 176° F (80° C) (ASTM D2879)
Specific Gravity: 0.90 at 77° F (25° C) (ASTM D1298)
Solubility in Water: Negligible at room temperature
Appearance and Color: Light Yellow
Evaporation Rate: 0.01 (1 = n-butyl acetate) (ASTM D3539)

Section 4 – Fire and Explosion Hazard Data

Flash Point and Method Used: 360° F (182° C) (ASTM D93)
Flammable Limits in Air, % by Volume – Lower: Not Applicable
Flammable Limits in Air, % by Volume – Upper: Not Applicable
Extinguishing Media: Carbon Dioxide, Dry Chemical for small fires, foam for large fires.
Special Fire Fighting Procedures: Fire fighters should be equipped with self contained breathing apparatus and protective clothing. (Individuals should perform only those fire fighting procedures for which they have been trained). Use water spray, dry chemical, foam, or carbon dioxide. Water may be ineffective but should be used to keep fire-exposed containers cool. If a spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire.
Unusual Fire/Explosion Hazards: Rags soaked with any solvent will cause spontaneous combustion if not handled properly. Soaked rags should be stored in an approved safety container. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustion.

Section 5 – Reactivity Data

Stability: Generally Stable
Conditions to Avoid: Heat, sparks, open flame and other ignition sources.
Materials to Avoid: Rags soaked with other solvents or chemicals, and strong oxidizing agents/strong reducing agents/strong acids/ strong bases/ strong mineral acids.
Hazardous Decomposition Products: Decomposition may produce carbon monoxide and carbon dioxide, and various other hydrocarbons.
Polymerization Conditions to Avoid: None Likely

Sections 6 – Health Hazard Data

Route of Entry: Inhalation, eye, skin contact
Health Hazards: None Known

Carcinogenity: Not listed by NTP, IARC, OSHA
Eye Contact: May cause eye irritation
Skin Contact: Not classified as a primary skin irritant or corrosive material.

Emergency/First Aid Procedures

In case of eye contact: Immediately irrigate eyes with plenty of water for at least 15 to 20 minutes. Do not let victim rub eyes. Seek medical attention if symptoms persist.
In case of skin contact: Wash exposed areas of the body with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.
If swallowed: Do not induce vomiting. Call a physician immediately.
Inhalation: Immediately leave the area to obtain fresh air. Seek medical attention if symptoms persist.

Section 7 – Precautions for Safe Handling and Use

Spill or Leak: Remove all sources of ignition. Contain the spill and transfer to secure containers. Ventilate the area. Wear appropriate respiratory protection and protective clothing. Where necessary, collect using absorbent media.
Waste Disposal Method: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with all applicable local, state and federal regulations.
Other Precautions: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive plan should be developed and implemented. Prevent run-off to sewers or other bodies of water. If run-off occurs, notify proper authorities, as required.

Section 8 – Special Control Measures

Respiratory Protection: None required for normal usage. Recommended exposure limits have not been established for this material. Handle in the presence of adequate ventilation. Avoid prolonged breathing of vapors.
Protective Gloves: No need anticipated.
Eye Protection: Wear safety glasses meeting OSHA specifications.
Work Hygienic Practices: Practice reasonable care and cleanliness.

Section 9 – Special Hazard Precaution

Methyl ester soaked rags should be stored in an approved safety container or dried individually in a well ventilated area to avoid spontaneous combustion.

Section 10 – Transportation Information

DOT Classification: Class 65
DOT Proper Shipping Name: Fatty Acid Ester

Section 11 – Ingredients/Identity Information

Ingredient #: 01
Ingredient Name: Methyl Esters
CAS Number: 67784-80-9
Flash point: >300° F (149° C)
HMIS: Health 1, Flammability 1, Reactivity 0.
Ingredient #: 02
Ingredient Name: Polystyrene
CAS Number: 009003-53-6
Flash point: 670° F (354° C)
HMIS: Health 0, Flammability 1, Reactivity 0.

Manufacturer's Statement:

The Material Safety Information is correct to the best of our knowledge at the date of its publication. This information is based on tests and experience believed to be factual and has been derived from the works and opinions of persons believed to be qualified experts. We cannot accept liability for any loss, injury or damage that may result from its use. Information in this Data Sheet is designed only as guidance for safe handling, storage and use of the product. It does not constitute a warranty, express or implied, or product guarantee.