SAFETY DATA SHEET

GEOSPRAY® AMS POST COAT

Section 1. Product and Company Identification

Product Name: GeoSpray® AMS Post Coat
Supplier: GeoTree Solutions | 1733 Majestic Rd, Suite 101, Lafayette, CO 80026 | +1 855.655.6750
Emergency Phone Number: 800.424.9300 (CHEMTREC) +1 703.741.5970 (Outside the US)
Product Description: Sealant for concrete and other porous materials such as wood or brick
Product Use: Concreate Sealant
Chemical Name or Synonym: N/A

Section 2. Hazards Identification

Classification of the substance or mixture
Skin Corrosion/irritation – Category 2
Eye damage/irritation – Category 2A

Label Elements:

Hazard Statements:
H315 – Causes skin irritation
H319 – Causes serious eye irritation
Signal Word: Warning
Precautionary Statements:
P262 – Do not get in eyes, on skin or on clothing.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  Remove contact lenses, if present and easy to do.  Continue rinsing.

Section 3. Composition/ Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50 – 70</td>
</tr>
<tr>
<td>Silicate</td>
<td>1344-09-8</td>
<td>50 – 30</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

First Aid Measures for Accidental:
**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

**Ingestion:** If swallowed, DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

**Eye contact:** In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes and seek medical attention.

**Skin contact:** Wash the skin immediately with soap and water. Take off immediately all contaminated clothing. If skin irritation or an allergic skin reaction develops, get medical attention.

**Most important symptoms/effects, acute and delayed:**

**Inhalation:** Irritates the respiratory system and may cause coughing and difficulties in breathing.

**Eye contact:** Severely irritating to eyes.

**Skin Contact:** Severely irritating to skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

**Ingestion:** Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically.

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**Section 5. Fire Fighting Measures**

**Suitable Extinguishing Media:** This material is compatible with all extinguishing media

**Unsuitable Extinguishing Media:** No data available

**Special Fire Fighting Procedures:** Wear complete firefighting gear and self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Use water to keep fire exposed containers cool. Do not use high volume water jet on the fire as this may spread the area of the fire.

**Special Protective Equipment for Fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Specific Hazards Arising from the substance or mixture:** No data available

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**Section 6. Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. See Section 8.

**Environmental Precautions:** Sinks and mixes with water. High pH of this material is harmful to aquatic life, see Section 12. Only water will evaporate from a spill of this material.

**Methods and Materials for Containment and Cleaning Up:** Dam and absorb spillages with sand, earth or other non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

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**Section 7. Handling and Storage**

**Precautions for safe handling:** Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

**Conditions for safe storage including any incompatibilities:** Keep containers closed. Store in clean steel or plastic containers. Separate from acids, reactive metals, and ammonium salts. Storage temperature 0-95° C.
Loading temperature 45-95 °C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

**Section 8. Exposure Controls / Personal Protection**

**Control Parameters (Exposure Limits):** No Data Available

**Appropriate Engineering Control:** Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

**Personal Protective Equipment:**

**Respiratory Protection:** Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134)

**Eye / Face Protection:** Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact.

**Skin Protection:** Wear suitable protective clothing as protection against splashing or contamination. Wash promptly with soap and water if skin becomes contaminated. Protective gloves should be used if there is a risk of direct contact or splash. Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. Wear rubber boots. Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Additional protective measures:**

**Section 9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Thick liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear to hazy white</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower and Upper Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>10-13 Aqueous suspensions</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>Evaporation rate (ether=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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Density and/or Relative Density: No data available
Relative Vapour Density: No data available
Specific Gravity: 1.39 g/cm³ at 20°C
Particle Characteristics: No data available

Section 10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous reactions: Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc.
Conditions to Avoid: None
Incompatible Materials / Chemicals: Ammonium salts, aluminum, tin, lead and zinc.
Hazardous Decomposition Products: Hydrogen

Section 11. Toxicological Information

Information in the likely route of exposure:
Potential Acute Health Effects:
Skin contact: Irritating to skin.
Eye contact: Irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics:
Target organs: No data available
Mutagenicity: No data available
Carcinogenicity: May cause cancer (Inhalation)
Reproductive Toxicity: No data available
Tetrafunctional: No data available
Specific Target Organ Toxicity - single exposure (STOT-se): May cause respiratory irritation (Inhalation).
Specific Target Organ Toxicity - repeated exposure (STOT-re): Causes damage to organs (lung) through prolonged or repeated exposure (inhalation).
Over-exposure signs / symptoms: No data available

Delayed and immediate effects and also chronic effects from short and long-term exposure:
Short term exposure: No data available.
Long term exposure: No data available

Numerical measures of toxicity: No data available

Section 12. Ecological Information

Ecotoxicity: No determined
Persistence and degradability: No determined
Bioaccumulative potential: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
Mobility in soil: No determined

GeoTree Solutions 1733 Majestic Dr, Suite 101, Lafayette, Colorado 80026 Phone +1.855.655.6750 geotreesolutions.com
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Other adverse effects: No determined

Section 13. Disposal Considerations

Waste treatment methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Uncleaned packaging: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14. Transport Information

ADR: Not dangerous goods
IATA: Not dangerous goods
IMDG: Not dangerous goods
RID: Not dangerous goods

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

USDOL-OSHA Hazard Communication Rule, 29 CFR 1910.1200: Ready mix concrete/cement/geopolymer is considered a hazardous chemical and should be part of any hazard communication program.

SARA (Title III): Not an Extremely Hazardous Substance under Section 302, Not a Toxic Chemical under section 313. Hazard Categories under Sections 311/312: Acute.

TSCA inventory list: All ingredients of this material are listed on the TSCA inventory.

Notification status:
US. TSCA: On TSCA Inventory
DSL: This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.
AICS: Not in compliance with the inventory
NZIoC: Not in compliance with the inventory
ENCS: On the inventory, or in compliance with the inventory
KECI: Not in compliance with the inventory
PICCS: Not in compliance with the inventory
IECSC: On the inventory, or in compliance with the inventory

Section 16. Other Information

Key Legend Information:
CAS – Chemical Abstracts Service
OSHA – Occupational Safety and Health Administration
NIOSH – National Institute for Occupational Safety and Health
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Date of issue: 12.18.19               Revision date: 12.18.19               Supersedes: Original               Version: 1.0