**Section 1 - IDENTIFICATION**

**Product Identifier:**
AZOMITE®

**Synonyms**
HSCAS

**Recommended Use**
Anti-Caking Agent, Soil Remineralizer

**Restrictions on Use**
None known.

**Manufacturer Information**
AZOMITE Mineral Products, Inc. Phone: +1-435-623-8007
PO Box 21 Fax: +1-435-623-8009
1078 West 5300 South Emergency # +1-801-318-0939
Nephi, UT 84648

**Section 2 - HAZARD(S) IDENTIFICATION**

**Classification in accordance with 29 CFR 1910.1200.**

No classification is assigned, based on classification criteria. Review the entire data sheet for any additional information which did not result in a GHS classification.

**GHS LABEL ELEMENTS**

**Symbol(s)**
None needed according to classification criteria.

**Signal Word**
None needed according to classification criteria.

**Hazard Statement(s)**
None needed according to classification criteria.

**Precautionary Statement(s)**

**Prevention**
None needed according to classification criteria.

**Response**
None needed according to classification criteria.

**Storage**
None needed according to classification criteria.

**Disposal**
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1344-01-0</td>
<td>Silicic acid, aluminum calcium sodium salt</td>
<td>100</td>
</tr>
</tbody>
</table>

**Component Related Regulatory Information**

This product may be regulated, have exposure limits or other information identified as the following: Particulates not otherwise classified (PNOC).
**Section 4 - FIRST-AID MEASURES**

**Description of Necessary Measures**

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact**
Wash with plenty of soap and water. Get medical attention if irritation develops or persists.

**Eye Contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**
Call a POISON CENTER or doctor/physician if you feel unwell.

**Most Important Symptoms/Effects**

**Acute**
mechanical irritation

**Delayed**
No information on significant adverse effects.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Needed**

**Section 5 - FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**
Use extinguishing agents appropriate for surrounding fire.

**Unsuitable Extinguishing Media**
None known.

**Special Hazards Arising from the Chemical**

**Hazardous Combustion Products**
Combustion: miscellaneous decomposition products

**Special Protective Equipment and Precautions for Firefighters**
Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

**Fire Fighting Measures**
Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Do not scatter spilled material with high-pressure water streams. Stay upwind and keep out of low areas.

**Protective Equipment and Precautions for Firefighters**
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

**Section 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**
Avoid breathing dust. Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**
Absorb with sand or other non-combustible material. Shovel or sweep up. Collect spilled material in appropriate container for disposal.

**Section 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling**
Use methods to minimize generation of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear personal protective clothing and equipment.

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Conditions for Safe Storage, including any Incompatibilities
Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Keep away from incompatible materials.
Incompatibilities: acids

** **Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION** **

Component Exposure Limits
Silicic acid, aluminum calcium sodium salt (1344-01-0)
ACGIH: 10 mg/m³ TWA (inhalable particles, recommended); 3 mg/m³ TWA (respirable particles, recommended, related to Particulates not otherwise classified (PNOC))
OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction, related to Particulates not otherwise classified (PNOC))

Appropriate Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels to a minimum. General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures. Do not breathe dust. Observe good hygiene and safety practices when handling this product.

Individual Protection Measures, such as Personal Protective Equipment
Eyes/Face Protection
If eye contact is likely, wear chemical resistant safety goggles.

Skin Protection
Wear appropriate chemical resistant clothing. Always use good hygiene measures.

Glove Recommendations
Wear appropriate chemical resistant gloves.

Respiratory Protection
Approved respirators should be worn when airborne concentrations are expected to exceed occupation exposure limits.
If respirable dusts are generated, respiratory protection may be needed.

** **Section 9 - PHYSICAL AND CHEMICAL PROPERTIES** **

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Solid</th>
<th>Appearance:</th>
<th>tan to pink solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>tan to pink</td>
<td>Physical Form:</td>
<td>solid</td>
</tr>
<tr>
<td>Odor:</td>
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<td>Odor Threshold:</td>
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</tr>
<tr>
<td>pH:</td>
<td>8.0</td>
<td>Melting Point:</td>
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</tr>
<tr>
<td>Boiling Point:</td>
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<td>Flash Point:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition:</td>
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<td>LEL:</td>
<td>Not available</td>
</tr>
<tr>
<td>UEL:</td>
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<td>Vapor Pressure:</td>
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</tr>
<tr>
<td>Vapor Density (air = 1):</td>
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<td>Density:</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity (water = 1):</td>
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<td>Water Solubility:</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Log KOW:</td>
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<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition:</td>
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<td>Viscosity:</td>
<td>Not available</td>
</tr>
<tr>
<td>Molecular Formula:</td>
<td>NaK2Ca5A13Si21O706H2O</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other Property Information
No additional information is available.

** **Section 10 - STABILITY AND REACTIVITY** **

Reactivity
No reactivity hazard is expected.
Chemical Stability
Stable at standard temperatures and pressure.

Possibility of Hazardous Reactions
None known.

Conditions to Avoid
Avoid generating dust. Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid contact with acids.

Incompatible Materials
acids

Hazardous Decomposition
Combustion: miscellaneous decomposition products

**Section 11 - TOXICOLOGICAL INFORMATION**

Acute Toxicity
May cause irritation to respiratory tract, skin, and eyes. Repeated exposure to dust may cause lung damage.

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Information on Likely Routes of Exposure

Inhalation
May cause irritation to respiratory tract. Repeated exposure to dust may cause lung damage.

Ingestion
May cause irritation to gastrointestinal tract.

Skin Contact
May cause irritation of the skin.

Eye Contact
May cause irritation of the eyes.

Immediate Effects
No information on significant adverse effects.

Delayed Effects
No information on significant adverse effects.

Medical Conditions Aggravated by Exposure
No data available.

Irritation/Corrosivity Data
Mechanical irritation may occur.

Respiratory Sensitization
No information available for the product.

Dermal Sensitization
No information available for the product.

Germ Cell Mutagenicity
No information available for the product.

Carcinogenicity

Component Carcinogenicity
None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

Reproductive Toxicity
No information available for the product.

Specific Target Organ Toxicity - Single Exposure
No target organs identified.
Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration Hazard

Not applicable.

**Section 12 - ECOLOGICAL INFORMATION**

Ecotoxicity

No information available for the product.

Component Analysis - Aquatic Toxicity

No LOFI ecotoxicity data are available for this product's components.

Persistence and Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility

No information available for the product.

Biodegradation

No information available for the product.

**Section 13 - DISPOSAL CONSIDERATIONS**

Disposal Methods

Recycle if possible. Dispose in accordance with all applicable regulations.

Disposal of Contaminated Packaging

Reuse or recycle if possible. Dispose in accordance with all applicable regulations.

**Section 14 - TRANSPORT INFORMATION**

Transportation Information

Not regulated as dangerous goods.

US DOT Information

Not regulated as a hazardous material.

TDG Information

Not regulated as dangerous goods.

**Section 15 - REGULATORY INFORMATION**

U.S. Federal Regulations

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312 Hazardous Categories

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA. Not regulated under California Proposition 65

Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>US</th>
<th>CA</th>
<th>EU</th>
<th>AU</th>
<th>PH</th>
<th>JP</th>
<th>KR</th>
<th>CN</th>
<th>NZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic acid, aluminum calcium sodium salt</td>
<td>1344-01-0</td>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
**Section 16 - OTHER INFORMATION**

Summary of Changes

New SDS: 05 September 2014

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; CAS No. - Chemical Abstract Service Registry Number; EEC - European Economic Community; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC Code - International Bulk Chemical Code; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; LEL - Lower Explosive Limit; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; RID - European Rail Transport; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

Other Information

Disclaimer: Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

End of Sheet AZO-001_US