MANNINGTON ULTRASPREAD EZ

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 10/28/2016
Date of Issue: 10/28/2016
Version: 1.0

SECTION 1: IDENTIFICATION

1.1.       Product Identifier
Product Form: Mixture
Product Name: MANNINGTON ULTRASPREAD EZ

1.2.       Intended Use of the Product
Use of the Substance/Mixture: Adhesive

1.3.       Name, Address, and Telephone of the Responsible Party
Mannington Mills, Inc.
P.O. Box 30 – Route 45
75 Mannington Mills Road
Salem, New Jersey 08079 U.S.A.
General Information: (856) 935-3000

1.4.       Emergency Telephone Numbers
Product/Medical Emergency Phone Number (24 Hours): (866) 359-5602
Transport Emergency:
   Within the U.S. - CHEMTREC: (800) 424-9300
   Outside the U.S. – CHEMTREC: +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1.       Classification of the Substance or Mixture
GHS-US Classification
Flam. Liq. 4 H227
Resp. Sens. 1 H334

2.2.       Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US): 
Signal Word (GHS-US) : Danger
Hazard Statements (GHS-US)
   H227 - Combustible liquid.
   H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements (GHS-US)
   P210 - Keep away from extremely high or low temperatures, ignition sources, and incompatible materials. - No smoking.
   P261 - Avoid breathing vapors, mist, or spray.
   P280 - Wear protective gloves, protective clothing, and eye protection.
   P284 - [In case of inadequate ventilation] wear respiratory protection .
   P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
   P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.
   P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.
   P403+P235 - Store in a well-ventilated place. Keep cool.
   P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3.       Other Hazards
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4.       Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1.       Substance
Not applicable
3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>(CAS No) 1317-65-3</td>
<td>40 - 70</td>
<td>Not classified</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>(CAS No) 57-11-4</td>
<td>1 - 5</td>
<td>Comb. Dust</td>
</tr>
<tr>
<td>Quartz</td>
<td>(CAS No) 14808-60-7</td>
<td>0.1 - 1</td>
<td>Carc. 1A, H350, STOT SE 3, H335</td>
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<tr>
<td>Benzenesulfonyl isocyanate, 4-methyl-</td>
<td>(CAS No) 4083-64-1</td>
<td>0.1 - 1</td>
<td>STOT RE 1, H372, Skin Irrit. 2, H315</td>
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</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/Injuries After Inhalation: Exposure may produce cough mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Contains Crystalline Silica (quartz): As quartz is bound in a polymer matrix, it is not expected to be available as an airborne hazard under normal condition of use. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause respiratory irritation, lung damage in the form of silicosis, and cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible liquid.

Explosion Hazard: May form flammable or explosive vapor-air mixture.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Sulfur oxides. Irritating or toxic vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not breathe vapor, mist or spray.
6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Other Information: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities


Storage Conditions: Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

No use specified

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA NIOSH</th>
<th>USA OSHA</th>
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</thead>
<tbody>
<tr>
<td>Limestone (1317-65-3)</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>10 mg/m³ (total dust)</td>
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<tr>
<td></td>
<td></td>
<td>5 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³ (total dust)</td>
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<tr>
<td></td>
<td></td>
<td>5 mg/m³ (respirable fraction)</td>
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</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA ACGIH</th>
<th>USA NIOSH</th>
<th>USA IDLH</th>
<th>USA OSHA</th>
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<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>ACGIH TWA (mg/m³)</td>
<td>0.025 mg/m³ (respirable fraction)</td>
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<tr>
<td></td>
<td>ACGIH chemical category</td>
<td>A2 - Suspected Human Carcinogen</td>
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</tr>
<tr>
<td></td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>0.05 mg/m³ (respirable dust)</td>
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<tr>
<td></td>
<td>OSHA PEL (STEL) (mg/m³)</td>
<td>250 mppcf/%SiO₂+5, 10mg/m³/%SiO₂+2</td>
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</table>

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

MATERIALS FOR PROTECTIVE CLOTHING: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

HAND PROTECTION: Wear protective gloves.

EYE PROTECTION: Chemical safety goggles.

SKIN AND BODY PROTECTION: Wear suitable protective clothing.

RESPIRATORY PROTECTION: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

OTHER INFORMATION: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State: Liquid
Appearance: Green
Odor: No data available
Odor Threshold: No data available
pH: No data available
Evaporation Rate: No data available
Melting Point: No data available
Freezing Point: No data available
Boiling Point: No data available
Flash Point: 62.8 °C (145.04 °F)
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Flammability (solid, gas): No data available
Vapor Pressure: No data available
Relative Vapor Density at 20°C: No data available
Relative Density: No data available
Specific Gravity / Density: 1.649 g/ml
Solubility: No data available
Partition Coefficient: N-Octanol/Water: No data available
Viscosity: No data available

9.2. Other Information

VOC Content: 85 g/l
Volatiles (wt. %): No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials: Strong acids, strong bases, strong oxidizers.


SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified
Stearic acid (57-11-4)
LD50 Oral Rat > 5000 mg/kg
LD50 Dermal Rat > 2000 mg/kg

Quartz (14808-60-7)
LD50 Oral Rat > 5000 mg/kg
LD50 Dermal Rat > 2000 mg/kg

Benzenesulfonyl isocyanate, 4-methyl- (4083-64-1)
LD50 Oral Rat > 2234 mg/kg
LC50 Inhalation Rat > 640 ppm/1h
ATE (Oral) 2,234.00 mg/kg body weight

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified.

Quartz (14808-60-7)
IARC group 1
National Toxicology Program (NTP) Status Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List In OSHA Hazard Communication Carcinogen list.

Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified.
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Exposure may produce cough mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.
Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - General: Not classified.

12.2. Persistence and Degradability
MANNINGTON ULTRASPREAD EZ
Persistence and Degradability: Not established.

12.3. Bioaccumulative Potential
MANNINGTON ULTRASPREAD EZ
Bioaccumulative Potential: Not established.

12.4. Mobility in Soil
Stearic acid (57-11-4)
Log Koc 51.05

12.5. Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods
Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.
Additional Information: Handle empty containers with care because residual vapors are flammable.
Ecology - Waste Materials: Avoid release to the environment.
## SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>14.1</th>
<th>In Accordance with DOT</th>
<th>Not regulated for transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2</td>
<td>In Accordance with IMDG</td>
<td>Not regulated for transport</td>
</tr>
<tr>
<td>14.3</td>
<td>In Accordance with IATA</td>
<td>Not regulated for transport</td>
</tr>
</tbody>
</table>

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

<table>
<thead>
<tr>
<th>MANNINGTON ULTRASPREAD EZ</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SARA Section 311/312 Hazard Classes</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Limestone (1317-65-3)</strong></td>
</tr>
<tr>
<td><strong>Stearic acid (57-11-4)</strong></td>
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<tr>
<td><strong>Quartz (14808-60-7)</strong></td>
</tr>
<tr>
<td><strong>Benzenesulfonyl isocyanate, 4-methyl- (4083-64-1)</strong></td>
</tr>
</tbody>
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### 15.2. US State Regulations

<table>
<thead>
<tr>
<th><strong>Quartz (14808-60-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. - California - Proposition 65 - Carcinogens List</strong></td>
</tr>
<tr>
<td><strong>Limestone (1317-65-3)</strong></td>
</tr>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
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</table>
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)