SECTIONS 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Mixture
Trade name: Moldgel® SloSet & Regular Set Traditional Formula Alginate
Product name: ArtMolds’ Impression Material
Product code: AM1A0101R, AM1A0110R, AM1A0120R, AM1A0150R, AM1B0101R, AM1B0110R, AM1B0120R, AM1B0150R

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Mold making of living body parts

1.3. Details of the supplier of the safety data sheet

EnvironMolds, LLC
18 Bank Street
Summit, NJ 07901
Tel: 1-866-278-6653

1.4. Emergency telephone number

Emergency number: 1-908-273-5401
Mon- Sat. 8:00 AM – 7:00 PM (Eastern Time)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification
Comb. Dust H232
Skin Irrit. 2 H315
Eye Dam. 1 H318
Carc. 1A H350

Full text of H-phrases: see section 16

2.2. Label elements

Labelling

Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger

Hazard statements (GHS-US):

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P305+P351+P338 - In case of contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or13: Get medical advice/attention
P310 - Immediately call a poison center/doctor/...
P321 - Specific treatment (see First aid measures on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P405 - Store locked up
P501 - Dispose of contents/container to hazardous or special waste collection point, in
2.3. Other hazards
This product can produce a nuisance dust, which should be maintained below a time weighted average of 10 mg/m³. Exposure to high concentrations may produce lung damage.

2.4. Unknown acute toxicity (GHS-US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances
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>Quartz (CAS No) 14808-60-7</td>
<td>&lt;75</td>
<td></td>
<td>Acute Tox. 4 (Oral), H302 Carc. 1A, H350</td>
</tr>
<tr>
<td>Alginic acid, sodium salt (CAS No) 9005-38-3</td>
<td>&lt; 25</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate (CAS No) 7722-88-5</td>
<td>&lt; 25</td>
<td>Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318</td>
<td></td>
</tr>
<tr>
<td>Calcium sulfate (CAS No) 7778-18-9</td>
<td>&lt; 25</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

Regular Set Product contains synthetic Yellow Iron Oxide as colorant.
SloSet contains synthetic organic Rocket Red AX as colorant.

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water. Take off contaminated clothing. Wash skin thoroughly by using soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after skin contact: My cause irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.
Symptoms/injuries after eye contact: Serious damage to eyes. Symptoms include stinging, watering, redness, soreness and swelling.
Symptoms/injuries after inhalation: This product can produce a nuisance dust, which should be maintained below a time weighted average of 10 mg/m³.
Symptoms/injuries after ingestion: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Water spray.
Unsuitable extinguishing media: Avoid using dry chemical powder and carbon dioxide. This may form fine dust dispersed.

5.2. Special hazards arising from the substance or mixture
Fire hazard: The product is not flammable.
Explosion hazard: Avoid generation of dust; fine dust dispersed in air in sufficient concentration, and in the presence of an ignition source is a potential dust explosion hazards.

5.3. Advice for firefighters
Firefighting instructions: No special fire fighting procedures are required.
Protective equipment for firefighters: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

6.1.1. For non-emergency personnel

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure-controls/personal protection.

Emergency procedures: Avoid contact with skin and eyes. Do not breathe dust. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.

Emergency procedures: Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Recover mechanically the product. Wet clean or vacuum up solids. Sweep or shovel spills into appropriate container for disposal. Wash contaminated area with large amounts of water. Avoid raising powdered materials into airborne dust. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air). Non-sparking tools should be used.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged or repeated breathing of vapor or dust. Use only in well ventilated areas. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build statics electricity charges when subjected to the friction of transfer and mixture operations. Provide adequate precautions, such as electrical grounding and bonding or inert atmospheres.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Provide adequate ventilation to minimize dust concentrations.

Storage conditions: Store in a well-ventilated place. Store in a dry and cool place. Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition. Avoid letting broken or open bags stay open. Wrap them in plastic bags immediately to prevent water vapor or moisture from reacting with the powder.

Incompatible materials: Hydrofluoric acid.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Material</th>
<th>ACGIH TWA (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium sulfate (7778-18-9)</td>
<td></td>
<td>ACGIH</td>
<td>10 mg/m³ (inhalable fraction)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA</td>
<td>15 mg/m³ (total dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate (7722-88-5)</td>
<td></td>
<td>OSHA</td>
<td>5 mg/m³ (vacted PEL)</td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td>0.025 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>04/27/2015 EN (English) SDS ID: 002</td>
<td>3/8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Appropriate engineering controls: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment: Safety glasses. Gloves.

Materials for protective clothing: Wear long sleeves.

Hand protection: Chemical protective gloves.

Eye protection: Wear safety glasses with side shields.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid

Appearance: Powder

Colour: White

Odour: Odourless.

Odour threshold: Not applicable

pH: Not applicable

Relative evaporation rate (butyl acetate=1): Not applicable

Melting point: No data available

Freezing point: No data available

Boiling point: Not applicable

Flash point: No data available

Auto-ignition temperature: > 734°F (Minimum ignition temperature if dust cloud)

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapour pressure: Not applicable

Relative vapour density at 20 °C: Not applicable

Relative density: 0.3 (water=1)

Solubility: Partially soluble in water

Solubility in water of component(s) of the mixture:
- Tetrasodium pyrophosphate: 20 g/l (at 20 °C)
- Calcium sulfate: 2.23 g/l (at 0 °C)

Log Pow: No data available

Log Kow: No data available

Viscosity, kinematic: Not applicable

Viscosity, dynamic: Not applicable

Explosive properties: Not applicable

Oxidising properties: No data available

Explosive limits: LEL: 62 g/m³ (Minimum explosive concentration of dust)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactive to water.
10.2. Chemical stability
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Avoid contact with vapor and humidity.

10.5. Incompatible materials
Hydrofluoric acid.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50</th>
<th>Oral ATE US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>500 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Alginic acid, sodium salt (9005-38-3)</td>
<td>&gt; 5 g/kg</td>
<td></td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate (7722-88-5)</td>
<td>1000 - 3000 mg/kg</td>
<td>1000,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>Calcium sulfate (7778-18-9)</td>
<td>&gt; 3000 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: May cause cancer (Inhalation).

Quartz (14808-60-7)
- IARC group: 1 - Carcinogenic to humans
- National Toxicology Program (NTP) Status: 2 - Known Human Carcinogens

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 skin contact: My cause irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.
Symptoms/injuries after eye contact: Serious damage to eyes. Symptoms include stinging, watering, redness, soreness and swelling.
Symptoms/injuries after inhalation: This product can produce a nuisance dust, which should be maintained below a time weighted average of 10 mg/m³.

Symptoms/injuries after ingestion: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**SECTION 12: Ecological information**

12.1. Toxicty

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<table>
<thead>
<tr>
<th>Calcium sulfate (7778-18-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
</tr>
<tr>
<td>2980 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
</tr>
<tr>
<td>LC50 fish 2</td>
</tr>
<tr>
<td>&gt; 1970 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer: No additional information available

Effect on the global warming: No additional information available

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with DOT

Not regulated for transport

Additional information

Other information: No supplementary information available.

**SECTION 15: Regulatory information**

15.1. US Federal regulations

Alginic acid, sodium salt (9005-38-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
### Tetrasodium pyrophosphate (7722-88-5)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on the Canadian DSL (Domestic Sustances List)
- WHMIS Classification: Class D Division 2 Subdivision B - Toxic material causing other toxic effects
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on INSQ (Mexican National Inventory of Chemical Substances)
- Listed on the Canadian IDL (Ingredient Disclosure List)

### Calcium sulfate (7778-18-9)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on the Canadian DSL (Domestic Sustances List)
- WHMIS Classification: Uncontrolled product according to WHMIS classification criteria
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### Quartz (14808-60-7)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on the Canadian DSL (Domestic Sustances List)
- WHMIS Classification: Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### 15.2. International regulations

#### CANADA

- **Alginic acid, sodium salt (9005-38-3)**
  - Listed on the Canadian DSL (Domestic Sustances List)

- **Tetrasodium pyrophosphate (7722-88-5)**
  - Listed on the Canadian DSL (Domestic Sustances List)
  - WHMIS Classification: Class D Division 2 Subdivision B - Toxic material causing other toxic effects

- **Calcium sulfate (7778-18-9)**
  - Listed on the Canadian DSL (Domestic Sustances List)
  - WHMIS Classification: Uncontrolled product according to WHMIS classification criteria

- **Quartz (14808-60-7)**
  - Listed on the Canadian DSL (Domestic Sustances List)
  - WHMIS Classification: Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

**EU-Regulations**
No additional information available

- **Tetrasodium pyrophosphate (7722-88-5)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

- **Calcium sulfate (7778-18-9)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

- **Quartz (14808-60-7)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
No information available

**Classification according to Directive 67/548/EEC or 1999/45/EC**
No information available

### 15.2.2. National regulations

- **Alginic acid, sodium salt (9005-38-3)**
  - Listed on the AICS (Australian Inventory of Chemical Substances)
  - Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
  - Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
  - Listed on the Korean ECL (Existing Chemicals List)
  - Listed on NZIoC (New Zealand Inventory of Chemicals)
  - Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
  - Listed on INSQ (Mexican National Inventory of Chemical Substances)

- **Tetrasodium pyrophosphate (7722-88-5)**
  - Listed on the AICS (Australian Inventory of Chemical Substances)
  - Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
  - Listed on the Korean ECL (Existing Chemicals List)
  - Listed on NZIoC (New Zealand Inventory of Chemicals)
  - Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
  - Listed on the Canadian IDL (Ingredient Disclosure List)
MOLDGEL SOLSET & REGULAR SET TRADITIONAL FORMULA ALGINATE
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Calcium sulfate (7778-18-9)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Quartz (14808-60-7)
Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

Quartz (14808-60-7)
<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Revision date : 04/27/2015

Full text of H-phrases:

----- Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4
----- Carc. 1A Carcinogenicity, Category 1A
----- Comb. Dust Combustible Dust
----- Eye Dam. 1 Serious eye damage/eye irritation, Category 1
----- Skin Irrit. 2 Skin corrosion/irritation Category 2
----- H232 May form combustible dust concentrations in air
----- H302 Harmful if swallowed
----- H315 Causes skin irritation
----- H318 Causes serious eye damage
----- H350 May cause cancer

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.