

408362 + 363
 Rcvd SEPT 2005 AM1R0101W AM1R0110W

MATERIAL SAFETY DATA SHEET

SECTION I – Product/Company Identification

1.1 Product Trade Name: **MoldGel® SloSet & Regular Set Alginate**
 1.2 Part (Item) Number: **AM1R0101R-AM1R012R & AM1S0101R-AM1S012R**
 1.3 Division Name: **ArtMolds**
 1.4 Address: **18 Bank Street**
Summit NJ 07901
 1.5 Emergency Telephone: **1-866-278-6653**
 1.6 Information Telephone: **1-908-273-5401**
 1.7 Date Prepared: **8/28/02 Date Revised 8/28/02**

SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>SHA PEL</u>	<u>ACGIH TLV</u>
Amorphous Silica – Diatomaceous Earth	1.2 mg/m ³	10 mg/m ³
Calcium Sulfate	10 mg/m ³	10 mg/m ³
Tetrasodium Pyrophosphate	5 mg/m ³	5 mg/m ³
Sodium Alginate (as nuisance dust)	15 mg/m ³	10 mg/m ³
Magnesium Oxide (as nuisance dust)	15 mg/m ³	10 mg/m ³

Warning: This product contains silica, crystalline (airborne particles of respirable size) that is known by the State of California to cause cancer.

OTHER INFORMATION:

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

SECTION III – Physical/Chemical Properties

3.1 Boiling Point: N/A
 3.2 Vapor Pressure: N/A
 3.3 Vapor Density: N/A
 3.4 Solubility in water: Partially Soluble
 3.5 Appearance and odor: Fluffy powder, may be colored
 3.6 Specific Gravity: 0.3 g/cm³
 3.7 Melting point: N/A
 3.8 Evaporation rate: N/A

SECTION IV – Fire and Explosion Hazard Data

4.1 Flash Point (method used): N/A
 4.2 Flammability (explosive limits): LEL: N/A UEL: N/A
 4.3 Extinguishing media: N/A
 4.4 Special fire fighting procedures: N/A
 4.5 Unusual fire and Explosion hazards: In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.

SECTION V – Reactivity Data

5.1 Stability: Unstable: Stable: X
 5.2 Conditions to avoid: High humidity and water contamination will cause material to gel.
 Prolonged exposure to heat greater than 60° C (140° F)
 5.3 Incompatibility (materials to avoid): Hydrofluoric Acid
 5.4 Hazardous decomposition or byproducts: N/A
 5.5 Hazardous polymerization: May Occur: May not occur: X
 5.6 Conditions to avoid (polymerization): High humidity and prolonged heat greater than 60° C

SECTION VI – Health Hazard Data

6.1 Primary route(s) of entry:

6.2 Health Hazards (acute and chronic):

6.3 Carcinogenicity:

6.4 Signs and symptoms of exposure:

6.5 Medical conditions generally aggravated by exposure:

6.6 Emergency First aid procedures:

Inhalation?: Yes Skin?: No Ingestion?: Yes

Acute: Transitory upper respiratory irritation or eye irritation

Chronic: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group I). Inhalation of crystalline silica is known as a cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52% free crystalline silica. As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).

NTP?: Proposed IARC monographs: Yes (Group I) OSHA Regulated?: Yes
Inhalation: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Eyes: temporary irritation or inflammation. Not hazardous when ingested.

Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. Target organs: Lungs and eyes.

Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. For eyes flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.

SECTION VII – Precautions for Safe Handling

7.1 Steps to be taken in case material is released or spilled:

Vacuum dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.

7.2 Waste Disposal methods:

7.3 Precautions to be taken in handling and storage:

Dispose of in accordance with Federal, State and Local regulations

Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Reclose packages and containers immediately. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. Store in a cool dry area. Store away from foodstuffs and beverages.

7.4 Other precaution:

The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personal health and comfort.

SECTION VII – Control Measure / Personal Protection

8.1 Respiratory protection:

Recommended NIOSH approved nuisance dust mask <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-twin with H Filter; <200X PEL, use MSA 01-00-06 with type C supplied for air unit (continuous flow mode); or equivalent.

8.2 Ventilation:

8.3 Protective gloves:

8.4 Eye protection:

8.5 Other protective clothing or equipment:

8.6 Work/Hygienic practices:

Use sufficient natural or mechanical ventilation to keep dust level below PEL.

Rubber gloves

Goggles or safety glasses with shields

Rubber apron

Avoid dusting when in use. Observe normal care when working with chemicals.

NFPA – National Fire Protection Association
N/A – Not Applicable
N/E – Not Established

NFPA HAZARD CLASSIFICATIONS	
Health	2
Flammability	0
Reactivity	0
Specific Hazard	N/A