

MATERIAL SAFETY DATA SHEET

SECTION I - Product/Company Identification

1.1 Product Trade Name: **SCHEIN ALGINATE IMPRESSION MATERIAL**
1.2 Part (Item) Number: **Past Set - Regular Set**
1.3 Division Name: **Henry Schein**
1.4 Address: **135 Duryea Road**
City State Zip: Melville NY 11747
1.5 Emergency Telephone Number: **1-800-64-9300 (Chemtec)**
1.6 Telephone Number for Information: **1-800-472-4346**
1.7 Date Prepared: **2/1/98** Date Revised: **10/18/99**

SECTION II - Hazardous Ingredients/Identify Information

Hazardous Components	OSHA PEL	ACGIH TLV
Crystalline Silica - Cristobalite	0.05 mg/m ³	0.05 mg/m ³
Crystalline Silica - Quartz	0.05 mg/m ³	0.05 mg/m ³
Amorphous Silica - Diatomaceous Earth	1.2 mg/m ³	10 mg/m ³
Calcium Sulfate	10 mg/m ³	10 mg/m ³
Tetra sodium 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) which is known by the State of California to cause cancer.

OTHER INFORMATION:

Product contains D & C Red # 28 Aluminum Lake as colorant.

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point: N.A. 3.6 Specific Gravity: 0.3 g/cm³
3.2 Vapor pressure: N.A. 3.7 Melting Point: N.A.
3.3 Vapor density: N.A. 3.8 Evaporation rate: N.A.
3.4 Solubility in water: Partially Soluble
3.5 Appearance and odor: Pink colored, dry fluffy powder with spearmint odor.

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 (stability): 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 polymerizations: May occur: Will not occur: X
5.6 Conditions to avoid (polymerization): High humidity and prolonged heat greater than 60°C

SECTION VI - Health Hazard Data

Primary route(s) of entry:	Inhalation: Yes Skin: No Ingestion: Yes
Health hazards (acute and chronic):	Acute: Temporary upper respiratory irritation or eye irritation. Chronic: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group 1). Inhalation of crystalline silica is also a known 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 (Cristobalite). 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).
Carcinogenicity:	NTP: Proposed IARC - carcinogenicity: Yes (Group 1) OSHA regulated?: Yes
Signs and symptoms of exposure:	Irritation: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Eyes: Temporary irritation or inflammation. Not hazardous when ingested.
Medical conditions generally aggravated by exposure:	Pre existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. Target organs: Lungs, Eyes.
Emergency first aid procedures:	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 and Use

Steps to be taken in case material is released or spilled:	Vacuum clean 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.
Waste disposal methods:	Dispose of in accordance with Federal, State and Local regulations.
Precautions to be taken in handling and storage:	Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Return cap to container immediately. Close pouches immediately after use. 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.
Other precautions:	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 VIII - Control Measures / Personal Protection

Respiratory protection:	Recommended: NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-Tain with H filter; <200X PEL, use MSA 01-00-06 with type C supplied air mask (continuous flow mode); or equivalent.
Ventilation:	Use sufficient natural or mechanical ventilation to keep dust level below PEL.
Protective gloves:	Rubber gloves.
Eye protection:	Goggles or safety glasses with side shields.
Other protective clothing or equipment:	Rubber apron.
Other/Hygienic practices:	Avoid dusting when in use. Observe normal care when working with chemicals.

NFPA HAZARD CLASSIFICATIONS	
Flammability	2
Corrosivity	4
Toxicity	3
Health Hazard	4

NFPA - National Fire Protection Association
 N.A. - Not Applicable
 N.E. - Not Evaluated

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