

Material Safety Data Sheet

HobbyMold 160 Part A (Base)

Date of Preparation: 11/14/01

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: HobbyMold 160 Part A (Base)

Chemical Formula: Blend of Polydimethylsiloxanes

CAS Number: N/A

Other Designations: N/A

General Use: N/A

Manufacturer: Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011,
Phone (440)934-1902, FAX (440)934-7200, Hours of Operation 8-5, Emergency Phone Number 800-424-9300

HMIS

H 1

F 1

R 0

PPE[†]

[†]Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Based on currently available data, this product does not meet the regulatory definition of a hazardous substance
However, good industrial hygiene practices should be used in handling it.

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	OSHA HAZARD	% wt or % vol
Polyorganosiloxanes	N/A	N	N/A
Quartz	14808-60-7	Y	15-40
Platinum Complex	N/A	N	N/A

Section 3 - Physical and Chemical Properties

Appearance and Odor: Beige viscous liquid, slight odor.

Vapor Pressure: <0.01mm Hg at 20 °C (68F)

Vapor Density (Air=1): Not available

Specific Gravity (H₂O=1, at 4 °C): 1.36 @ 25 C

pH: Not applicable

Water Solubility: Insoluble

Boiling Point: Not available

Freezing/Melting Point: Not available

Viscosity: 69000 cps at 25C (77F).

Section 4 - Fire-Fighting Measures

Flash Point: > 93 °C (200 °F)

Flash Point Method: Tagliabue Closed Cup

Autoignition Temperature: >400 C (752 F)

LEL: No Data

UEL: No data

Flammability Classification: Will burn.

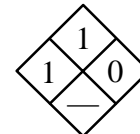
Extinguishing Media: Dry chemical, foam carbon dioxide

Unusual Fire or Explosion Hazards: Product will burn under fire conditions

Hazardous Decomposition Materials (Under Fire Conditions): Formaldehyde, oxides of carbon, silica (crystalline).

Fire-Fighting Instructions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.

NFPA



Section 5 - Stability and Reactivity

Stability: Stable under normal storage and handling conditions described in Section 9.

Conditions To Be Avoided: Combustible materials, extreme heat, open flame, spark, static electricity.

Materials/Chemicals To Be Avoided: Strong bases, strong acids, strong oxidizing agents.

Hazardous Decomposition Products That Might Be Expected:

Decomposition Type - thermal: dimethylcyclosiloxanes, methylphenylcyclosiloxanes

Decomposition Type - oxidative/thermal: formaldehyde

Hazardous Polymerization: Will not occur.

Section 6 - Health Hazard Information

Potential Health Effects

Acute Effects

Inhalation: Inhalation not likely.

Eye: Slightly irritating. May cause redness, irritation.

Skin: Low acute dermal toxicity. Slightly irritating. May cause redness, irritation.

Ingestion: Low acute oral toxicity.

Medical Conditions Possibly Aggravated by Exposure: No specific antidote available.

Chronic Effects: This product contains ingredients that are considered to be probable or suspected human carcinogens (see Toxicological Information below).

Emergency and First Aid Procedures

Inhalation: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Eye Contact: In case of contact, immediately absorb excess with clean absorbent cloth or cotton. Then hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Skin Contact: Immediately wipe excess material off skin with a dry cloth; then wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

Note to Physicians: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Special Precautions/Procedures: Treat symptomatically. No specific antidote available.

Section 7 - Spill, Leak, and Disposal Procedures

Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. See Personal Protection Information in Section 8. Caution: Spilled material may make the floor slippery. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard.

Containment of Spill: Follow procedure described below under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill: Absorb with an inert absorbent. Scrape up and place in appropriate closed container (see Section 9: Handling and Storage). Clean up residual material with an appropriate solvent like paint thinner or mineral spirits provided that there is good ventilation and no sources of ignition.

Environmental and Regulatory Reporting: Do not flush to drain.

Disposal Considerations:

Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal state, and local requirements for waste disposal may be more restrictive or otherwise different from federal law and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Handling and Disposal: Any containers or equipment used should be decontaminated immediately after use.

EPA Hazardous Waste – NO

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Ecological Information: No data found for product.

Toxicological Information:

Acute Eye Irritation: No test data found for product.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: No test data found for product.

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity: No test data found for product.

Chronic Toxicity: This product contains the substances that are considered to be “probable” or “suspected” human carcinogens as follows:

Ingredient Name	Regulatory Agency Listing Carconogen			
	OSHA	IARC	NTP	ACGIH
QUARTZ	No	No	Yes	A2

Regulatory Information:

Inventory Status

Inventory	Status
United States (TSCA)	Y - All ingredients are on the inventory.
Canada (DSL)	Y - All ingredients are on the inventory.
Europe (EINECS/ELINCS)	P - One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.
Australia (AICS)	Y - All ingredients are on the inventory.
Japan (MITI)	N - Not determined or one or more ingredients are not on the inventory and are Not exempt from listing.
South Korea (KECL)	Y - All ingredients are on the inventory.

Federal Regulations:

Inventory Issues: All functional components of this product are listed on the TSCA Inventory.

SARA Title III Hazard Classes:

Fire Hazard	- NO
Reactive Hazard	- NO
Release of Pressure	- NO
Acute Health Hazard	- NO
Chronic Health Hazard	- NO

State Regulations: This product does not contain any components that are regulated under California Proposition 65.

Other Information

National Fire Protection Association Hazard Ratings – NFPA(R):

- 1 Health Hazard Rating – Slight
- 2 Flammability Rating – Slight
- 3 Instability Rating – Minimal

National Paint & Coating Hazardous Materials Identification System – HMIS(R):

- 1 Health Hazard Rating – Slight
- 2 Flammability Rating – Slight
- 3 Instability Rating – Minimal

Section 8 - Exposure Controls / Personal Protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 7: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

This product can form formaldehyde vapors when heated to temperatures above 150 C in the presence of air. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposures Limit for formaldehyde.

Exposure Guidelines:

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting the regulatory requirements. The following limits apply to this material, where if indicated, S=skin and C=ceiling limit:

Quartz

ACGIH: 0.05 mg/m³ (TWA)

OSHA: 0.1 mg/m³ (TWA)

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonable foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environment.

Skin Protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

Section 9 - Special Precautions and Comments

Handling Precautions: Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes.

Storage Requirements: Store in tightly closed containers. Store in an area that is clean, dry, well-ventilated.

Minimum/Maximum Storage Temperatures: >200C (392F)

DOT Transportation Data (49 CFR 172.101):

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification. The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

Shipping Name: NOT REGULATED

Shipping Symbols:

Hazard Class:

ID No.:

Packing Group:

Label:

Special Provisions (172.102):

Packaging

Authorizations

a) Exceptions:

b) Non-bulk Packaging:

c) Bulk Packaging:

Quantity Limitations

a) Passenger, Aircraft, or Railcar:

b) Cargo Aircraft Only:

Vessel Stowage Requirements

a) Vessel Stowage:

b) Other:

Prepared By:

Revision Notes:

Disclaimer: The information herein is given in good faith but no warranty, expressed or implied, is made.