



MATERIAL SAFETY DATA SHEET

Revised/ Reviewed: January 3, 2007

MODELING COMPOUND

Dental impression compounds used for mouth impressions and indirect inlay procedures.

Section 1- Product and Company Information

Manufactured by: Miltex, Inc.; 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: Miscellaneous wax blend

Chemical Formula: No information, material is a mixture

Section 2 – Composition/ Information on Ingredients

- Crystalline Silica; CAS # 14808-60-7; 35-40%; OSHA PEL (TWA) = (10 mg/m³) / SiO₂ + 2, ACGIH TLV = 0.1 mg/m³ (respirable)
- Cumar R-12a Resin; 30-35%; No information available on threshold values

Section 3 - Health Identification

Potential Health Effects: This material is a mixture of waxes and resins. Fumes from material may irritate eyes and upper respiratory tract. Molten material may burn skin and eyes on contact. No expected to be a health hazard if ingested.

Primary Route(s) of Entry: Inhalation (of fumes), skin and eye contact (with molten material)

Carcinogen: No information available

Medical Conditions Aggravated by Exposure: No information available

HMIS Ratings: Not established

Section 4 - First Aid Measures

Eyes: If molten material contacts eye, immediately flush with water for at least 15 minutes. Immediately seek medical attention.

Skin: If molten material contacts skin, immediately drench or immerse area in water to assist cooling. Apply iced water or ice packs to burned area. *Do not try to remove the material from a burn until after it has cooled!* Seek medical attention.

Ingestion: No expected to pose a health hazard if ingested.

Inhalation: For inhalation of fumes, remove person to fresh air.

Section 5 – Fire Fighting Measures

Flash Point: Approximately 550°F

Auto Ignition Temperature: No information available

Flammable Limits- No information available

Extinguishing Media: Foam, carbon dioxide, or dry chemical. Use of direct water stream is not recommended

Special Fire Fighting Procedures: Do not enter confined fire-spaces without NIOSH-approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Dense smoke may be generated while burning. Carbon oxides may be given off.

Section 6 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: Reddish brown with a very faint vanilla scent. Material may be in cake, stick (cylinder) or lump (chunk) form.

Melting Point (°C): High heat variety = 130, Low heat variety = 115

Specific Gravity (H₂O=1): 1.66 - 1.68

Evaporation Rate (butyl acetate=1): <0.01

Vapor Pressure (mm Hg): Not applicable

Solubility in Water: Negligible

Vapor Density (Air=1): Not applicable

pH: Not applicable

Section 7 – Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known

Incompatibility/ Materials to Avoid: None known

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Carbon oxides and other oxides may be generated as products of combustion.

Section 8 – Accidental Release, Disposal, and Ecological Information

Spill Response: For solids, sweep up and dispose of by normal means. For molten spills, allow to solidify, then sweep up and dispose by normal means.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations.

Ecological, General: This material is not expected to be harmful to the environment.

Section 9 – Exposure Controls/ Personal Protection

Eye Protection: Chemical safety goggles when working with molten material.

Respiratory Protection: None normally required.

Ventilation Recommendations: When working with molten material, local is recommended to evacuate any fumes that may be generated.

Skin Protection: Impervious gloves when working with molten material.

Other: Lab coat or other clothing as needed to prevent skin contact. An eyewash and safety shower should be available when working with molten material.

Section 10 – Storage and Handling

Storage: No special storage requirements.

Handling: Minimize breathing of any fumes given off from molten material. Avoid contact with molten material. Do not make this material into a fine (respirable) dust.

Section 11 – Miscellaneous

Toxicological Information: No information available

Transportation Information: Not a DOT Hazardous Material

Liability Disclaimer: MSDS information is provided based on OSHA's Hazardous Communication Regulation and for use of the persons required to receive this information under this regulation. The information is neither designed nor recommended for any other use or for use by any other person, including compliance with other laws. Miltex does not warrant the suitability for use of this MSDS for any other material or product not specifically identified herein. Miltex does not warrant the accuracy or authenticity of this MSDS unless it has been obtained directly from Miltex, or posted or viewed on a Miltex website. This MSDS is based on information that is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under Miltex's control, each user is responsible for making their own determination as to the safe and proper handling of this material in their own particular use of this material. Miltex makes no representation or warranty, either express or implied, including as to merchantability or fitness for a particular purpose.