



MATERIAL SAFETY DATA SHEET

Revised/ Reviewed: September 13, 2004

CASTING WAX

REF 150-57940, 150-57960, 150-57980 and 150-58000

A dental wax used for making a pattern to determine the shape of metal castings.

Section 1- Product and Company Information

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

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

Chemical Name & Synonyms: Not applicable, material is a mixture.

Chemical Formula: Not applicable, material is a mixture.

Section 2 – Composition/ Information on Ingredients

The product does not contain any hazardous ingredients as defined under the US OSHA Hazard Communication Standard (29CFR 1910.1200). The product is a 100-percent blend of wax and resins and is completely colophony free.

Section 3 - Health Identification

Potential Health Effects: Fumes from molten product may cause eye irritation. Contact with molten product may cause severe thermal burns of both the skin and eyes. Product dust may cause respiratory irritation. Ingestion may cause low order acute system toxicity.

Primary Route(s) of Entry: Inhalation of fumes, skin or eye contact.

Carcinogen: No information available.

Medical Conditions Aggravated by Exposure: None known

HMIS Ratings: Health = 1; Flammability = 1; Reactivity = 0

Section 4 - First Aid Measures

Eyes: Ambient wax- flush wax particles with tepid water for at least 15 minutes. For molten wax, seek medical attention.

Skin: For molten wax, cool wax immediately, but do not remove from skin. Seek medical attention.

Ingestion: Allow small quantities to pass through the system.

Inhalation: When fume or mist occurs, remove person to fresh air.

Section 5 – Fire Fighting Measures

Flash Point (Test Method): >200°C (Cleveland Open Cup, ASTM D-92))

Auto Ignition Temperature: No information available

Flammable Limits- No information available

Extinguishing Media: Water fog, alcohol foam, carbon dioxide, or dry chemical. *Do not* use direct stream of water.

Special Fire Fighting Procedures: No known

Unusual Fire and Explosion Hazards: As with most organic matter, extremely high dust concentrations in the air pose an explosion hazard.

Section 6 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: Waxy solid with little or no odor, green in color. Physical form is thin sheet.

Melting Point (°F): 161 ± 6

Specific Gravity (H₂O=1): ~ 0.937

Evaporation Rate (butyl acetate=1): Not applicable

Vapor Pressure (mm Hg): Not applicable

Solubility in Water: Insoluble

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: Strong oxidizing materials.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Carbon dioxide (carbon monoxide with incomplete combustion).

Section 8 – Accidental Release, Disposal, and Ecological Information

Spill Response: Confine spills of molten material and allow to solidify. Sweep up and place solid material into an appropriate disposal container.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations. Product can usually be incinerated.

Ecological, General: No information.

Section 9 – Exposure Controls/ Personal Protection

Eye Protection: Safety glasses with side shields (or splash goggles) and a face shield.

Respiratory Protection: None normally required. For fumes and mist use NIOSH-approved organic respirator.

Ventilation Recommendations: Local as required to remove any fumes.

Skin Protection: Impervious, heat resistant gloves to prevent contact with molten product.

Other: As necessary to avoid skin contact with molten product.

Section 10 – Storage and Handling

Storage: Store at ambient temperatures.

Handling: Avoid breathing of fumes or contact with molten product. Do not let molten product stand unused in melt tanks and injection machines. Stir molten product at all times.

Section 11 – Miscellaneous

Toxicological Information: No informational available

Transportation Information: *Not* a US DOT Hazardous Material

Other: --

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