Material Safety Data Sheet

Section 1 - Material Identification

Material/Trade name: Premiere Bronze
Synonyms: "Investment Casting Wax"
Chemical Family/Formula: NA
Cas Number: NA

Revision Date: 02/07/2002

Section 2 - Hazardous Ingredients

Composition

*Any Material classified as a SARA Section 313 chemical will be identified with an asterisk

None as defined under the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 3 - Physical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening Point, Ring and Ball</td>
<td>150 - 165 °F</td>
</tr>
<tr>
<td>Specific Gravity, H₂O=1</td>
<td>.95</td>
</tr>
<tr>
<td>Vapor Pressure, mm/Hg</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density, Air=1</td>
<td>NA</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild waxy odor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatiles, % by Volume</td>
<td>NA</td>
</tr>
<tr>
<td>Solubility in H₂O, % by Volume</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Evaporation Rate, Butyl Acetate = 1</td>
<td>NA</td>
</tr>
<tr>
<td>Appearance</td>
<td>Solid, Brown</td>
</tr>
</tbody>
</table>

Section 4 - Fire and Explosion Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point C.O.C.</td>
<td>450°F</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>NA</td>
</tr>
<tr>
<td>Lower Flash Limit</td>
<td>NA</td>
</tr>
<tr>
<td>Upper Flash Limit</td>
<td>NA</td>
</tr>
</tbody>
</table>

Extinguishing Media: Extinguish with dry chemical foam or water spray.
Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Large amounts of smoke and heat will be generated in fire, SCBA recommended for fire fighting activities.
Unusual Fire and Explosion Hazards: When material is in a fine granular or dust condition a dust explosion condition exists. Keep away from high heat, open flame, open electrical, or static electric discharge conditions, when material exists in dust state.

Section 5 - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions and Materials to Avoid:
- Temperatures over 212°F
- Strong oxidizing agents

Hazardous Decomposition Products:
- Fumes and smoke at temperatures above 212°F.
- Flammable olefins at temperatures above 437°F.
SECTION 6
OCCUPATIONAL EXPOSURE LIMITS
Threshold Limit Value - none established
Mists / Fumes - OSHA / ACGIH recommends 2 mg/m³ (8 hour TWA) for paraffin wax fumes.

SECTION 7
HEALTH INFORMATION
Inhalation Hazard - Negligible unless heated to a high temperature causing vapor or mist condition. Mist conditions can cause irritation of mucous membranes and cause pulmonary irritation, dizziness and nausea.

Eye Contact - Causes irritation or, in liquid form can cause heat burns. Rinse eyes with water for at least 15 minutes, seek medical attention if irritation continues.

Skin Contact - Prolonged or repeated exposure with skin can cause irritation of the hair follicles and block sebaceous glands causing rashes, acne and dermatitis.

Ingestion - Ingestion may irritate digestive tract but is generally not harmful unless in large quantities. No aspiration hazard exists as the material will be in solid form when ingested.

Other - Medical conditions aggravated by this product have not been determined.

SECTION 8
EMERGENCY AND FIRST AID PROCEDURES
Eye Contact - Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes.

Skin Contact - Wash exposed areas of the body with soap and water. If material is exposed to skin in a liquid form, immediately irrigate area with cool or cold water for at least 15 minutes to cool material and minimize burns.

SECTION 9
EMPLOYEE PROTECTION
Respiratory Protection - None required if proper ventilation maintained. Wear respirators acceptable for mists or particulates from hydrocarbons. Air supplied or self-contained breathing apparatus for conditions above 250 mg/m³ is recommended.

Protective Clothing - Safety glasses, goggles, gloves, boots and protective clothing should be worn.

Other Protective Measures - If mixture has the potential to splash, splash goggles should be worn. Provide explosion proof ventilation where dust conditions exist.

Employees must practice good personal hygiene, washing exposed areas several times daily and laundering contaminated clothing before reuse.

SECTION 10
ENVIRONMENTAL PROTECTION
Spill Clean-up Procedures - Contain spill until mixture hardens.

Waste Disposal - Disposal of as in accordance with applicable local, state and federal laws.

Environmental Hazards - Limited by solid nature of the product.

SECTION 11
SPECIAL PRECAUTIONS
Skin Contact - Use barrier creams, gloves, boots and clothing to protect the skin from prolonged exposure to wax.

Particularly avoid exposure of skin and abraded areas of the skin to unhardened/hot wax.

Precautions must be observed because wax (heat) burns occur with little warning.

Eye Contact - Eye protection is not generally required except when use may result in splashing, in which case tight fitting splash proof goggles should be used.

SECTION 12
TRANSPORTATION REQUIREMENTS
DOT Shipping Name - NA
DOT I.D. No. - NA

SECTION 13
OTHER REGULATORY CONTROLS

SECTION 14
DISCLAIMER
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of this company’s knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Approved by: Jeffrey C. Niles