



Ferris[®] Beads 2194 Imperial Blue

Section 1 Chemical Product and Company Identification

1.1 Product identifiers

Product name: Ferris[®] Beads 2194 Imperial Blue

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Jewelry Injection Wax

1.3 Details of the supplier of the safety data sheet Freeman Manufacturing & Supply Company 1101 Moore Road, Avon, OH 44011 Telephone (440) 934-1902 www.freemansupply.com

1.4 Emergency telephone number CHEMTREC (800) 424-9300

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

Not classified according to OSHA 29 CFR 1910.1200 HCS

- 2.2 GHS Label elements, including precautionary statements No label element(s) required
- **2.3 Hazards not otherwise classified** Molten product can cause serious burns.

Section 3 Composition/Information on Ingredients

3.1 Mixture of Substances

Proprietary mixture of synthetic and natural waxes, resin(s), additive(s), and oil soluble dye(s). No components need to be disclosed according to the applicable regulations.

Section 4 First Aid Measures

4.1 Description of first aid measures

| - | | |
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| | Inhalation | Get medical assistance if irritation develops or persists. If breathing is difficult, |
| | | move the person to fresh air. Give artificial respiration if person is not breathing. |
| | Skin contact | For thermal burns, flush or submerge effected area in cold water to dissipate heat. |
| | | Cover with clean bandage material. Do not peel material from skin. Get medical attention. |
| | | For contact at ambient temperatures, wash with soap and water. |
| | Eye contact | Immediately flush with plenty of water for at least 15 minutes. |
| | - | If irritation persists, get medical attention immediately, preferably an ophthalmologist. |
| | Ingestion | If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious person. |
| | 0 | Do NOT induce vomiting. Consult a physician if necessary. |
| | | |

Section 5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Water fog, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. See Section 10 for possible products of hazardous combustion.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

| | Section 6 Accidental Release Measu | 162 | |
|--|---|--|---|
| Avoid contact with skin and eyes 5.2 Environmental precautions | quipment and emergency procedures . Wear appropriate personal protective | equipment, see Section 8 | |
| | nvironment. Prevent product from enter | ring drains. | |
| | ment and cleaning up erial. Avoid dust formation. Contain spill nto suitable container for disposal. | lage and use clean non-sp | parking tools to |
| | Section 7 Handling and Storage | | |
| with soap and water after handli dust formation. Avoid contact wi Specific end use(s): Avoid heati dewax operations). Do not let mo 7.2 Conditions for safe storage, includi Store at ambient temperatures. F | ng above 100°C (212°F) during the norr olten product stand in melt tanks and inj | e ventilation. Avoid brea nal investment casting p jection machines, stir pro e. Keep away from ignitio | thing fumes. Avoid rocess (except oduct continuously. |
| | ion 8 Exposure Controls/Personal Pr | | |
| 3.1 Control parameters | | | |
| Substance Name | Exposure Limit / Standard | Source | |
| Wax fumes | 2 mg/m ³ TWA | ACGIH | |
| conditions. Supplementary local | ly 10 air changes per hour) should be us exhaust ventilation may be needed in sp ssing, mechanical generation of dusts, e | oecial circumstances, suc | h as poorly |

| Section 9 Physical and Chemical Properties | | | | | |
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| 0.1 Information on basis abusisal and shaminal and | | | | | |
| 9.1 Information on basic physical and chemical pro Physical State | Solid | | | | |
| Color | Medium blue | | | | |
| Odor | Mild | | | | |
| | | | | | |
| Odor Threshold | No data available | | | | |
| pH Malifa Datat | No data available | | | | |
| Melting Point | >154°F (>68°C) | | | | |
| VOC Content | 0 | | | | |
| Boiling Point | No data available | | | | |
| Flash Point | 465°F (240°C) | | | | |
| Evaporation rate | No data available | | | | |
| Flammability (solid, gas) | No data available | | | | |
| Upper/lower flammability | No data available | | | | |
| Vapor Pressure | No data available | | | | |
| Vapor Density | No data available | | | | |
| Relative Density (g/cc) | 0.9 ± 0.05 | | | | |
| Water Solubility | Negligible | | | | |
| Coefficient: n-octanol/ water | No data available | | | | |
| Auto-Ignition Temperature | No data available | | | | |
| Viscosity | Solid at room temperature | | | | |
| Explosive Properties | None | | | | |
| Oxidizing Properties | None | | | | |
| | Tone | | | | |
| Section 2 | 10 Stability and Reactivity | | | | |
| 10.1 Reactivity: | No dangerous reaction known under conditions of normal use. | | | | |
| 10.2 Chemical stability: | Stable under recommended storage conditions. | | | | |
| | | | | | |
| 10.3 Possibility of hazardous reactions: | Hazardous polymerization does not occur. | | | | |
| 10.4 Conditions to avoid: | Heat, sparks, open flame. Avoid dust formation. | | | | |
| 10.5 Incompatible materials: | Strong oxidizing agents. | | | | |
| 10.6 Hazardous decomposition products | May include: carbon monoxide, carbon dioxide | | | | |
| Section 11 | 1 Toxicological Information | | | | |
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| 11.1 Information on likely routes of exposure | Eye contact, skin contact, ingestion | | | | |
| Acute Oral Toxicity | Very low toxicity if swallowed. Harmful effects not anticipated | | | | |
| | from swallowing small amounts. | | | | |
| Acute Dermal Toxicity | No adverse effects anticipated from skin absorption. | | | | |
| Acute Inhalation Toxicity | Vapors released during thermal processing may cause | | | | |
| | respiratory irritation. | | | | |
| Skin Corrosion/Irritation | Classification criteria not met | | | | |
| Serious Eye Damage/Eye Irritation | Classification criteria not met | | | | |
| Respiratory or Skin Sensitization | Classification criteria not met | | | | |
| Germ Cell Mutagenicity | Classification criteria not met | | | | |
| Carcinogenicity | No component of this product present at levels greater than or | | | | |
| - • | equal to 0.1% is identified as a known or anticipated carcinogen | | | | |
| | by IARC, NTP, or OSHA. | | | | |
| Reproductive Toxicity | Classification criteria not met | | | | |
| Aspiration Hazard | Not relevant | | | | |
| Specific Target Organ Toxicity (STOT) | | | | | |
| Single Exposure | Not expected | | | | |
| Repeated Exposure | No data available | | | | |
| F F | | | | | |

Section 12 Ecological Information

| Not expected to be harmful to aquatic organisms |
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| No data available |
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| Section 13 Disposal Considerations |
| Follow applicable Federal, State, and local regulations. |
| Section 14 Transport Information |
| Not regulated |
| Section 15 Regulatory Information |
| tions: None cial does not contain any chemical components with known CAS numbers that eporting levels established by SARA Title III, Section 313. oduct is not considered as hazardous waste, and is not subject to reporting ad Recovery Act. oduct is not known to contain any components for which the State of er, birth defects or other reproductive harm. 5Warnings.ca.gov. |
| Section 16 Other Information |
| ocuments. SELLER MAKES NO REPRESENTATION OR WARRANTY, G ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR to be construed as inducements to infringe any relevant patent. Under no |
| or incidental, consequential or indirect damages for alleged negligence, arising in connection with the product(s). Buyer's sole remedy and Seller's Buyer's purchase price. Data and results are based on controlled lab work and ng for its intended conditions of use. The product(s) has not been tested for, or, uses for which prolonged contact with mucous membranes, abraded skin, which implantation within the human body is intended. • 8, 2022 |
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