



Freeman Flakes Flexible Blue

Section 1 Chemical Product and Company Identification 1.1 Product identifiers Product name: Freeman Flakes Flexible 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 1.4 Emergency telephone number Telephone (440) 934-1902 CHEMTREC (800) 424-9300 www.freemansupply.com 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 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 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. For thermal burns, flush or submerge effected area in cold water to dissipate heat. Skin contact 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. 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 Measures 6.1 Personal precautions, protective equipment and emergency procedures Avoid contact with skin and eyes. Wear appropriate personal protective equipment, see Section 8. 6.2 Environmental precautions Should not be released into the environment. Prevent product from entering drains. 6.3 Methods and materials for containment and cleaning up Do not walk through spilled material. Avoid dust formation. Contain spillage and use clean non-sparking tools to collect material. Shovel spillage into suitable container for disposal. Section 7 Handling and Storage 7.1 Precautions for safe handling Wear appropriate personal protective equipment, see Section 8. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. Do not use in areas without adequate ventilation. Avoid breathing fumes. Avoid dust formation. Avoid contact with molten material. **Specific end use(s):** Avoid heating above 100°C (212°F) during the normal investment casting process (except dewax operations). Do not let molten product stand in melt tanks and injection machines, stir product continuously. 7.2 Conditions for safe storage, including any incompatibilities Store at ambient temperatures. Keep in closed container when not in use. Keep away from ignition sources, heat, open flames, and direct sunlight. Do not store with incompatible materials, see Section 10. **Section 8 Exposure Controls/Personal Protection** 8.1 Control parameters Substance Name **Exposure Limit / Standard** Source Wax fumes 2 mg/m³ TWA ACGIH **8.2 Exposure controls Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation may be needed in special circumstances, such as poorly ventilated spaces, very hot processing, mechanical generation of dusts, etc. 8.3 Personal protective equipment **Eve/Face** Wear safety glasses equipped with side shields, or safety goggles. Hands Chemical protective gloves should not be needed when handling this material. Use gloves to protect from mechanical injury. Use gloves with insulation for thermal protection when needed. Skin/Body No precautions other than clean body-covering clothing should be needed. Respiratory The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, or when adverse effects such as respiratory irritation has been experienced, or where indicated by your risk assessment process, then use an approved air-purifying respirator. Use an approved air-purifying respirator with organic vapor cartridge and particulate pre-filter when vapors are generated at increased temperatures. **Safety Stations** Make emergency evewash stations and washing facilities available in work area. **General Hygienic Practices** Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse. Avoid contamination of food, beverages, or smoking

perties Solid		
Solid		
Blue		
Mild		
No data available		
No data available		
>150°F (66°C)		
0		
No data available 465°F (240°C)		
		No data available
No data available		
0.9 ± 0.05		
Negligible		
No data available		
No data available		
Solid at room temperature None		
None		
None		
0 Stability and Reactivity		
No dangerous reaction known under conditions of normal use.		
Stable under recommended storage conditions.		
Hazardous polymerization does not occur.		
Heat, sparks, open flame. Avoid dust formation.		
Strong oxidizing agents.		
May include: carbon monoxide, carbon dioxide		
Toxicological Information		
Eye contact, skin contact, ingestion		
Very low toxicity if swallowed. Harmful effects not anticipated		
from swallowing small amounts.		
No adverse effects anticipated from skin absorption.		
Vapors released during thermal processing may cause		
respiratory irritation.		
Classification criteria not met		
Classification criteria not met		
Classification criteria not met		
Classification criteria not met		
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.		
Classification criteria not met		
Not relevant		
Not expected		

	Section 1	2 Ecological Information		
2.1 Toxicity 2.2 Persistence and degradability 2.3 Bioaccumulative potential 2.4 Mobility in soil 2.5 Results of PBT & vPvB assessment		Not expected to be harmful to aquatic organisms No data available No data available No data available No data available		
	Section 13	3 Disposal Considerations		
3.1 Disposal		Follow applicable Fede	Follow applicable Federal, State, and local regulations.	
	Section 1	4 Transport Information		
14.1 DOT, TDG, IMO/IMDG, IATA/ICOA:		Not regulated		
	Section 1	5 Regulatory Information		
RCRA: In the form delivered under the Resource Conserv California Proposition 65: alpha-Methylstyrene, which For more information, visit v Chemical Name	vation and Recover MWARNING: Thi is known to the St	y Act. s product may expose you t ate of California to cause ca		
alpha-Methylstyrene	98-83-9	<0.03 (estimated)	Not established	
	Section	n 16 Other Information		
EXPRESSED OR IMPLIED, IN	ICLUDING ANY WA	ARRANTY OF MERCHANTA	SENTATION OR WARRANTY, BILITY OR FITNESS FOR A PARTICULAR fringe any relevant patent. Under no	