



SAFETY DATA SHEET

Product Name: NuSmile BioFlx Crowns

| 1. Product and Company Identification | | | | |
|--|--|--|----------------------------|---|
| Product Name: NuSmile BioFlx Crowns | | SDS Code Number: SDS38 | | |
| Trade Name & Synonyms: BioFlx Crown | | Last Revision: 0 | Effective Date: 05/12/2023 | |
| Chemical Name: No name assigned. | | Manufactured by: NuSmile Ltd. | | |
| CAS. Number: None assigned. | | Address: 3315 W. 12 th Street Houston, TX 77008 USA Website: www.nusmile.com | | |
| Grades or Minor Variant Identities: None | | Telephone Number: 713-861-0033; Int'l 1-800-346-5133 | | |
| Product Use (for Canada): Dental use | | E-mail: info@nusmile.com | | |
| 2. Hazard Identification | | | | |
| GHS Classification: Materials covered by the SDS are articles and, as such, are not considered hazardous under the OSHA hazardous communications standard (29 CFR 1910.1200). Materials resulting from machining, milling, grinding, melting, welding, or cutting these materials may be considered hazardous under the OSHA hazardous communications standard (29 CFR 1910.1200). | | | | |
| GHS Label Elements | | | | |
| Symbol: No symbol | | Signal Word: No signal word | | |
| Hazard Statements: Not applicable | | Precautionary Statements: Not applicable | | |
| Other Hazard: Dust can occur through abrasion if the crown is subjected the mechanical loading. Risk of skin burns caused by hot melt. | | | | |
| 3. Composition of Ingredients | | | | |
| CAS # | Component | Percent | | |
| Unidentified | Hybrid Polymer Resin | 100% | | |
| 4. First Aid Measures | | | | |
| Routes of Exposure | First Aid Instructions | Immediate Medical Attention | Effects | |
| | | | Acute | Delayed |
| Eyes | Rinse with water. | Seek medical attention. | - | - |
| Skin | In case of burns by molten product, seek medical treatment. | Seek medical attention. | - | - |
| Ingestion | No data available. | Seek medical attention | - | - |
| Inhalation | In case of irritation symptoms caused by vapors in thermal processing; Provide fresh air, seek medical advice if necessary. Following inhalation of dust product move to get fresh air. | Seek medical attention | - | - |
| 5. Fire Fighting Measures | | | | |
| General Fire Hazards: Not flammable. | | Suitable Extinguishing Media: Water spray, foam, dry powder or carbon dioxide. | | Unsuitable Extinguishing Media: High volume water jet. |
| Protection and Procedures for Firefighters: Have ready/wear respiratory protection equipment. | | | | |
| Unusual Fire and Explosion Hazards: In the case of fire, the following hazardous smoke fumes may be released; carbon monoxide, carbon dioxide. Under certain conditions of combustion traces of other toxic substances cannot be excluded. | | | | |
| 6. Accidental Release Measures | | | | |
| Containment Techniques: Avoid dust formation. | | Spill/Leak Clean-Up Procedures and Equipment: Use mechanical handling equipment. | | |
| Environment Precautions: Do not allow to run into water channels, surface water, or into the ground. | | Personal Precautions and Protective Equipment: Avoid contact with skin and eyes. Assure sufficient ventilation. | | Emergency Measures: Keep away from sources of ignition – no smoking. Take precautionary measures against static |
| 7. Handling and Storage | | | | |
| Handling Practices and Warnings: In case of thermal processing, provide for extraction of thee vapors or adequate ventilation. When using do not eat, drink, or smoke. Avoid formation of dust. In the case of dust formation, provide adequate extraction. | | | | |
| Storage Practices and Warnings: Store cool and dry in the closed original packaging. With attrition of dust-like particles, there is danger of dust explosion. | | | | |
| 8. Exposure Control/Personal Protection | | | | |
| Ventilation: Observe national threshold limit values. | | Other Engineering Controls: If the product is thermally treated, provide for a vapor exhaust device. In case of dust formation, provide adequate extraction. | | |
| Routes of Entry: | Personal Protective Equipment (PPE) for Normal Use: | PPE for Emergencies: | | |
| Eye/Face | Wear safety glasses. | Safety glasses or face shield | | |
| Hands | Wear latex or nitrile gloves and avoid skin contact. | Gloves and face shield | | |
| Skin and Body | Wear suitable protective clothing. | Suitable protective clothing. | | |
| Respiratory | Avoid inhalation. | Dust mask or respirator | | |



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General Hygiene Considerations and Work Practices: Smoking, eating, and drinking should be prohibited in the application area.

Protective Measures During Repair and Maintenance of Contaminated Equipment: No data available.

9. Physical and Chemical Characteristics

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|---|---|---|---|---|
| Appearance: Yellow | Specific Gravity: 1.3-1.5 g/cm ³ | Vapor Pressure: N/D | pH: N/A | Solubility (H₂O): Insoluble |
| Form: Granules | Flash Point: N/A | Vapor Density: N/A | Evaporation Rate: N/A | Octanol/H₂O: N/D |
| Odor: None | Boiling Point: N/A | Burning Rate: > 752 °F/> 400 °C | Upper/Lower Flammability: Not flammable. See explosives | Explosive Properties: Not explosive. Dust may form explosive mixture with air. |
| Normal Physical State <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Solid: | Melting Point: Approximate 644 °F/340 °C | Minimum Ignition Temperature: 1067 °F/575 °C | Auto Ignition: The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self-heating. | |

10. Stability and Reactivity Data

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|---|---|
| Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, toxic gases/vapors. | Incompatibility (Materials to Avoid): Strong Oxidizing agents. |
| Hazardous Reactions: Stable under normal conditions. | Conditions to Avoid: Extreme heat. Keep away from direct sunlight. |
| Chemical Stability: Stable under recommended storage conditions. | Reactivity Considerations: Stable under normal conditions. |

11. Toxicological Information

Acute Toxicity (Lists all possible routes of exposure)

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|--|--|---|---|
| Skin Corrosion/Irritation: No data available. | Eye Damage/Irritation: No data available. | Oral: Not classified for acute toxicity based on available data. | Dermal: Not classified for acute toxicity based on available data. |
| Respiratory Sensitization: No data available. | Inhalation: Not classified for acute toxicity based on available data. | Generative Cell Mutagenicity: No data available. | Carcinogenicity: Not classified. |
| Specified Target Organ Toxicity (Single Exposure): No data available. | Specified Target Organ Toxicity (Repeated Exposure): No data available. | Aspiration Hazard: No data available. | Reproductive Toxicity: No data available. |

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements: No data available.

13. Disposal Considerations

Regulations: Dispose in accordance with local regulations.

Properties (Physical/Chemical) Affecting Disposal: No data available.

14. Transport Information

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| Regulated for shipping: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Proper Shipping Name: NuSmile BioFlx Crowns | Packing Group DOT class: Not regulated. |
| Do changes in quantity, packaging, or shipment method change product classification: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Hazard Class: Non-hazardous | Identification Number: None |

15. Regulatory Information

Component Analysis: International regulations: **Montreal protocol-** Not applicable **Stockholm convention-** Not applicable **Rotterdam convention-** Not applicable **Kyoto protocol-** Not applicable
TSCA: Complies **EINECS/ELINCS:** N/A **DSL/NDL:** Complies **PICCS:** N/A **ENCS:** Complies **IECSC:** Complies **AICS:** Complies **KECI:** Complies

16. Other Information

This information is based on our present knowledge; however, this shall not constitute a guarantee for a specific product feature. No toxicity data are available for this specific formulation. This health hazard assessment is based on information that is available for its components.
N/A= not applicable. N/D= not determined. N/E= not established.