MATERIAL SAFETY DATA SHEET

| Agent: | Apex Flavors |
|--|--|
| Manufacturer: | Apex Flavors |
| Address: | 1361 Brass Mill Rd. Suite E, Belcamp, MD 21017 |
| Phone: | 410-565-6600 |
| Emergency Phone Number: Chemtrec: 1-800-424-9300 | |
| Section 1 | Chemical Identification |
| Bavari | ian Cream Type Flavor, Natural & Artificial # 344ICR |

| Section 2 | Composition/Information of Ingredients |
|--|---|
| CAS#: | Proprietary Formula |
| Fema#: | NA |
| EINECS#: | NA |
| Molecular: | NA |
| Chemical Name: | NA |
| Synonyms: | None |
| Section 3 | First-Aid Measures |
| Eye Contact Aid: | : Flush immediately with clean cold water. If irritation persists, call a physician. |
| Skin Contact Aid: Thoroughly wash the affected area with soap and water. Flush with large quantities of water. If irritation persists, call a physician. | |
| Inhalation Aid: Ingestion Aid: | Remove individual to fresh air, contact physician if necessary. Administer water or milk to dilute. Contact a physician or local poison control. |

| Section 4 | Fire Fighting Measures |
|---|---|
| Extinguishing Media: | CO2; Foam; Dry Chemical |
| Special Fire Fighting Pro | cedures: Wear protective clothing to prevent contact with skin and |
| | eyes. |
| Unusual Fire and Explosive Hazards: Not Established | |

Unusual Fire and Explosive Hazards: Not Established

| Section 5 | Accidental Release Measures | |
|---|--|--|
| Procedure: Remove any source of flame or sparks. If in a confined area, NIOSH approved respiratory protection may be required. Remove individuals from area if they do not have respiratory/dust protection. Spray material with water to prevent dusting and remove to an approved disposal container. Follow Federal, State and Local procedures for cleaning up of powder. Dispose in accordance with current laws and regulations. | | |
| Section 6 | Handling and Storage | |
| Storage/Handling: This product should be stored in tightly closed, full container in a cool, dry area away from direct sunlight. Before opening and handling this flavor, consult you workplace safety officer and MSDS. | | |
| Section 7 | Exposure Controls/Personal Protection | |
| Eyes: | The use of goggles and a face shield is recommended. | |

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| Respiratory: | Respiratory protection is normally not required in well ventilated areas. However, NIOSH approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area. |
|---------------------------|---|
| Other Protective Devices: | Chemical resistant gloves are recommended (i.e. Nitrile gloves) |
| Ventilation: | Ventilation meeting ACGIH Standards should be employed. |
| Work/Hygienic Practices: | Use good personal hygiene practices. Limit exposure to product whenever possible. Wash any contaminated clothing or shoes before each use. |

| Section 8 Phys | ical and Chemical Properties | |
|--|---|--|
| Appearance and Odor: | A slightly hazy, very pale yellow liquid. Creamy; vanilla-like. | |
| Hazardous Ingredients: | Ethyl alcohol (CAS #64-17-5). | |
| Boiling Point (Deg C): | NA | |
| Melting Point (Deg C): | NA | |
| Vapor Density: | NA | |
| Vapor Pressure: | NA | |
| Specific Gravity (@ 20 C): | 1.0334 to 1.0634 | |
| Specific Gravity (@ 25 C): | 1.0304 to 1.0604 | |
| Refractive Index (@ 20 C) | Refractive Index (@ 20 C): 1.4140 to 1.4440 | |
| Solubility Water: | Soluble | |
| Solubility Fat: | Insoluble | |
| Flash Point: | 93 F. / 34 C. | |
| Flammability (solid,gas): | NA | |
| Autoflammability: | NA | |
| Explosive Properties: | NA | |
| Oxidizing Properties: | NA | |
| Section 9 | Stability and Reactivity | |
| Hazardous Polymerization: Will not occur | | |
| Hazardous Decomposition | n Products: None | |
| Materials and/or Condition | ns to avoid: None | |
| Stability: | Stable | |
| Section 10 Toxicological Information | | |
| Section 10 | Toxicological Information | |
| | Toxicological Information CGIH TLV): None Established | |
| Threshold Limit Value (AC | | |
| Threshold Limit Value (AC | CGIH TLV): None Established | |
| Threshold Limit Value (AC Threshold Limit Value (OS Carcinogencity: | CGIH TLV): None Established | |
| Threshold Limit Value (AC Threshold Limit Value (OS | CGIH TLV): None Established SHA PEL): None Established | |
| Threshold Limit Value (AC Threshold Limit Value (OS Carcinogencity: NTP Monograph: | CGIH TLV): None Established SHA PEL): None Established None Established | |
| Threshold Limit Value (AC Threshold Limit Value (OS Carcinogencity: NTP Monograph: ARC Monograph | CGIH TLV): None Established SHA PEL): None Established None Established | |
| Threshold Limit Value (AC Threshold Limit Value (OS Carcinogencity: NTP Monograph: ARC Monograph Acute Toxicity Data: | CGIH TLV): None Established SHA PEL): None Established None Established None Established | |
| Threshold Limit Value (AC Threshold Limit Value (OS Carcinogencity: NTP Monograph: ARC Monograph Acute Toxicity Data: Oral LD50: | CGIH TLV): None Established SHA PEL): None Established None Established None Established None Established | |

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| Health Hazards (Acute and Chro | nic): |
|-------------------------------------|--|
| Ingestion of large quantities: | None Established |
| Inhalation: | None Established |
| Skin Contact: | Liquid my be irritating |
| Eye Contact: | Liquid my be irritating |
| Note: | The above effects are based on evaluation of individual |
| | components. |
| Other Effects: | None Established |
| Section 11 Ed | cological Information |
| Biodegradability: Not [| Determined |
| Aquatic Toxicity: Not [| Determined |
| Bioaccumulation Potential: Not [| Determined |
| | ransport Information |
| Proper Shipping Name: EXTRAC | TS, FLAVOURING, LIQUID |
| UN#: 1197 | |
| UN Pkg Group: III | |
| ERG#: 127 | |
| Air/Steamer Transport Information | on: |
| Air: 3 | |
| Steamer: 3 | |
| Required Labels: FLAMMA | ABLE LIQUID |
| Section 13 | Other Information |
| Hazardous Materials Identification | - |
| Health: 1 Flammability: 2 | Reactivity: 0 Personal Protection: B |
| 4-Extreme 3-High 2-Mo | derate 1-Slight 0-No Significant Hazard |
| Section 14 | Regulatory |
| R-Phase: 10-65 | |
| S-Phase: 62 | |
| Section 15 | Conclusion |
| The information contained herein is | based on data considered accurate and reliable. However, the |

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Section 16

Disclaimer

Our ingredients have not been tested, nor have they been determined safe, for inhalation or use in any electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes, or other similar devices (collectively "E-Cigarettes") or in any E-Liquids used with E-Cigarettes. By receiving Apex Flavors, Inc, ingredients, the recipient confirms that they will not use these ingredients in connection with the manufacture and distribution of E-Cigarettes, E-Liquids or any component thereof. WE DISCLAIM, TO THE FULLEST EXTENT PERMITTED BY LAW, ALL WARRANTIES, EXPRESS OR IMPLIED, and disclaim all liability in connection with the use of our ingredients in connection with E-Cigarettes and E-Liquids. All such risks are assumed by you and the user.