MATERIAL SAFETY DATA SHEET

| Section 1 | Chemical Identification | | |
|--|--|--|--|
| Emergency Phone Number: Chemtrec: 1-800-424-9300 | | | |
| Phone: | 410-565-6600 | | |
| Address: | 1361 Brass Mill Rd. Suite E, Belcamp, MD 21017 | | |
| Manufacturer: | Apex Flavors | | |
| Agent: | Apex Flavors | | |

Vanilla Type Extract Clear, Natural & Artificial (Contains < 0.10% Artificial Top Note) # 1526TTB

| 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: | Remove individual to fresh air, contact physician if necessary. | | |
| Ingestion Aid: | Administer water or milk to dilute. Contact a physician or local poison control. | | |
| Section 1 | Fire Fighting Measures | | |

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

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| 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/Ha | andling: 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 your 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. |

| | Physical and Chemical Properties | | | |
|---|----------------------------------|--|--|--|
| Appearance and Odo | | | | |
| Hazardous Ingredien | | | | |
| Boiling Point (Deg C) | NA | | | |
| Melting Point (Deg C) | | | | |
| Vapor Density: | NA | | | |
| Vapor Pressure: | NA | | | |
| Specific Gravity (@ 20 C): 0.9900 to 1.010 | | | | |
| Specific Gravity (@ 25 C): 0.9870 to 1.0070 | | | | |
| Refractive Index (@ 20 C): 1.3924 to 1.4124 | | | | |
| Solubility Water: | Soluble | | | |
| Solubility Fat: | Insoluble | | | |
| Flash Point: | NA | | | |
| Flammability (solid,g | as): NA | | | |
| Autoflammability: | NA | | | |
| Explosive Properties | | | | |
| Oxidizing Properties: | NA NA | | | |
| Section 9 | Stability and Reactivity | | | |
| Hazardous Polymeriz | | | | |
| - | sition Products: None | | | |
| | ditions to avoid: None | | | |
| Stability: | Stable | | | |
| O a sti a se 40 | | | | |
| Section 10 | Toxicological Information | | | |
| | e (ACGIH TLV): None Established | | | |
| | e (OSHA PEL): None Established | | | |
| Carcinogencity: | Niene Established | | | |
| NTP Monograph: | None Established | | | |
| ARC Monograph | None Established | | | |
| Acute Toxicity Data: | | | | |
| Oral LD50: | None Established | | | |
| Dermal LD05: | None Established | | | |
| Inhalation LC50: | None Established | | | |

MATERIAL SAFETY DATA SHEET

| Health Hazards (Acu | te and Chronic): | | | | |
|----------------------------|--------------------|-------------------------|---|--|--|
| Ingestion of large of | uantities: | None Established | | | |
| Inhalation: | | None Established | | | |
| Skin Contact: | | Liquid my be irritating | | | |
| Eye Contact: | | Liquid my be irritat | ing | | |
| Note: | - | The above effects | are based on evaluation of individual | | |
| | (| components. | | | |
| Other Effects: | I | None Established | | | |
| Section 11 | Ecolog | ical Information | | | |
| Biodegradability: | Not Determined | | | | |
| Aquatic Toxicity: | Not Deter | mined | | | |
| Bioaccumulation Po | tential: Not Deter | mined | | | |
| Section 12 | Trans | port Information | | | |
| Proper Shipping Nar | ne: EXTRACTS, I | FLAVOURING, LIC | QUID | | |
| UN#: | | | | | |
| UN Pkg Group: | | | | | |
| ERG#: | 127 | | | | |
| Air/Steamer Transpo | ort Information: | | | | |
| Air: | 3 | | | | |
| Steamer: | 3 | | | | |
| Required Labels: | FLAMMABLE | LIQUID | | | |
| Section 13 | 0 | ther Information | | | |
| Hazardous Materials | Identification Sy | rstem | | | |
| Health: 1 Flam | mability: | Reactivity: 0 | Personal Protection: B | | |
| 4-Extreme 3-Hi | gh 2-Moderat | e 1-Slight | 0-No Significant Hazard | | |
| Section 14 | | Regulat | tory | | |
| R-Phase: | | | | | |
| S-Phase: | | | | | |
| Section 15 | Conclusion | | | | |
| | | | ered accurate and reliable. However, the | | |
| data is provided witho | ut any warranty, e | xpressed or implie | d regarding its correctness or accuracy. It | | |

data is provided without any warranty, expressed or implied regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product, and to assume any liability for loss, injury, damage or expense resulting from the improper use of this product.

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.