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
	Pound Cake Type, Natural Flavor Blend # 103

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 Ai	d: 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 4 Fire	e Fighting Measures
Extinguishing Media:	CO2; Foam; Dry Chemical
Special Fire Fighting Procedure	es: Wear protective clothing to prevent contact with skin and
	eyes.
Unusual Fire and Explosive Ha	zards: Not Established

Unusual File and Explosive Hazarus. Not Established

Section 5Accidental Release MeasuresProcedure: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/Handlin	ng: 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

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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	sical and Chemical Properties		
Appearance and Odor:	A clear, brown liquid. Butter and vanilla notes characteristic of pound cake.		
Hazardous Ingredients:	Ethyl alcohol (CAS#64-17-5)acetoin (CAS#513-86-0)and acetyl propinyl (CAS# 600-14-0)		
Boiling Point (Deg C):	NA		
Melting Point (Deg C):	NA		
Vapor Density:	NA		
Vapor Pressure:	NA		
Specific Gravity (@ 20 C):	1.0039 to 1.0339		
Specific Gravity (@ 25 C):	1.0155 to 1.0455		
Refractive Index (@ 20 C)	: 1.3657 to 1.3857		
Solubility Water:	Soluble		
Solubility Fat:	Insoluble		
Flash Point:	142 F.		
Flammability (solid,gas):	NA		
Autoflammability:	NA		
Explosive Properties:	NA		
Oxidizing Properties:	NA		
Section 9	Stability and Reactivity		
Hazardous Polymerization	n: Will not occur		
Hazardous Decomposition	n Products: None		
Materials and/or Condition	ns to avoid: None		
Stability:	Stable		
Section 10	Toxicological Information		
Threshold Limit Value (AC	CGIH TLV): None Established		
•	SHA PEL): None Established		
Carcinogencity:			
NTP Monograph:	None Established		
ARC Monograph	None Established		
Acute Toxicity Data:			
Oral LD50:	None Established		
Dermal LD05:	None Established		

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Section 11	Ecological Information
Other Effects:	None Established
	components.
Note:	The above effects are based on evaluation of individual
Eye Contact:	Liquid my be irritating
Skin Contact:	Liquid my be irritating
Inhalation:	None Established
Ingestion of large quantit	ies: None Established
Health Hazards (Acute and	I Chronic):
Inhalation LC50:	None Established

Biodegradability:	Not Determined
Aquatic Toxicity:	Not Determined
Bioaccumulation Potential:	Not Determined

Section 12		Transport	Transport Information			
Proper Shipp	oing Name:	NA				
UN#:		NA				
UN Pkg Grou	ıp:	NA				
ERG#:		NA				
Air/Steamer	Transport Inf	formation:				
Air:		NA				
Steamer:		NA				
Required La	abels:	NA				
Section 13		Other Information				
Hazardous N	laterials Iden	tification Syster	n			
Health: 1	Flammabil	ity: 2 R	eactivity: 0	Personal Protection: B		
4-Extreme	3-High	2-Moderate	1-Slight	0-No Significant Hazard		
Section 14		Regulatory				
R-Phase: 10-	-36/38					
S-Phase: 23-	-26-36-39					
Section 15			Conclusio	on		

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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.