## 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			
(	Grapefruit Tangerine Extract, Natural # 546TTB			

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 4	Fire Fighting Measures

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Extinguishing Media:	CO2; Foam; Dry Chemical	
Special Fire Fighting Proced	ures: Wear protective clothing to prevent contact with skin and	
	eyes.	
Unusual Fire and Explosive I	Hazards: Not Established	

Section 5Accidental Release MeasuresProcedure:Remove any source of flame or sparks. If in a confined area, NIOSH approved<br/>respiratory protection may be required. Remove individuals from area if they do not<br/>have respiratory/dust protection. Spray material with water to prevent dusting and<br/>remove to an approved disposal container. Follow Federal, State and Local procedures<br/>for cleaning up of powder. Dispose in accordance with current laws and regulations.

Section 6	Handling and Storage
Storage/Handl	ing: 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.

	Physical and Chemical Properties		
Appearance and Odor			
Hazardous Ingredients	S:		
Boiling Point (Deg C):	NA		
Melting Point (Deg C):	NA		
Vapor Density:	NA		
Vapor Pressure:	NA		
Specific Gravity (@ 20	Not tested		
Specific Gravity (@ 25	Specific Gravity (@ 25 C): 0.9000 to 0.92000		
Refractive Index (@ 20	<b>) C):</b> 1.35350 to 1.37350		
Solubility Water:	Soluble		
Solubility Fat:	Insoluble		
Flash Point:	NA		
Flammability (solid,ga	s): NA		
Autoflammability:	NA		
Explosive Properties:	NA		
<b>Oxidizing Properties:</b>	NA		
Section 9	Stability and Reactivity		
Hazardous Polymeriza			
Hazardous Decompos			
Materials and/or Cond			
Stability:	Stable		
Section 10	Toxicological Information		
	(ACGIH TLV): None Established		
	(OSHA PEL): None Established		
Carcinogencity:			
NTP Monograph:	None Established		
ARC Monograph	None Established		
Acute Toxicity Data:			
Oral LD50:	None Established		
Dermal LD05:	None Established		
Inhalation LC50:	None Established		

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Health Hazards (Acu	te and Chronic):			
Ingestion of large of	juantities:	None Established		
Inhalation:		None Established		
Skin Contact:		Liquid my be irritating		
Eye Contact:		Liquid my be irrita	ting	
Note:		The above effects	are based on evaluation of individual	
		components.		
Other Effects:		None Established		
Section 11	Ecolog	gical Information		
Biodegradability:	Not Deter	rmined		
Aquatic Toxicity:	Not Deter	rmined		
<b>Bioaccumulation Po</b>	tential: Not Deter	rmined		
Section 12	Trans	port Information		
<b>Proper Shipping Nar</b>	ne: EXTRACTS,	FLAVOURING, LI	QUID	
UN#:				
UN Pkg Group:				
ERG#:	127			
Air/Steamer Transpo	ort Information:			
Air:	3			
Steamer:	3			
Required Labels:	FLAMMABLE	LIQUID		
Section 13	C	Other Information		
<b>Hazardous Materials</b>	Identification S	ystem		
Health: 1 Flam	mability:	Reactivity: 0	Personal Protection: B	
4-Extreme 3-Hi	gh 2-Modera	te 1-Slight	0-No Significant Hazard	
Section 14		Regula	tory	
R-Phase:				
S-Phase:				
Section 15		Conclus	sion	
			ered accurate and reliable. However, the	
data is provided witho	ut any warranty, e	expressed or implie	ed 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.