## **MATERIAL SAFETY DATA SHEET**

	Pure Cumin Extract, Natural # 552	
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	

Section 2	Composition/Information of Ingredients	
CAS#:	Proprietary Formula	
Fema#:	NA	
EINECS#:	NA	
Molecular:	NA	
<b>Chemical Name</b>	n NA	
Synonyms:	None	
Section 3	First-Aid Measures	
Eye Contact Aid	<b>1:</b> Flush immediately with clean cold water. If irritation persists, call a physician.	
Skin Contact A	<b>d:</b> Thoroughly wash the affected area with soap and water. Flush with large quantities of water. If irritation persists, call a physician.	
Inhalation Aid:	ation Aid: Remove individual to fresh air, contact physician if necessary.	
In a setion Aid.	tion Aid: Administer water or milk to dilute. Contact a physician or local poison contro	

Section 4 Fire Fi	Fighting Measures	
Extinguishing Media:	CO2; Foam; Dry Chemical	
Special Fire Fighting Procedures:	Wear protective clothing to prevent contact with skin and	
	eyes.	
Unusual Fire and Explosive Hazar	ds: 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/Ha	<b>Indling:</b> 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.		
Section 8 Physical and Chemical Properties			
Appearance and Odor:	A clear pale orange to orange-brown liquid with an aroma characteristic		
	of cumin.		
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):	Not tested		
Specific Gravity (@ 25 C):	0.9045 to 0.9245		
Refractive Index (@ 20 C)	: 1.3570 to 1.3770		
Solubility Water:	Soluble		
Solubility Fat:	Insoluble		
Flash Point:	80 F. / 27 C.		
Flammability (solid,gas):	NA		
Autoflammability:	NA		
Explosive Properties:	NA		
<b>Oxidizing Properties:</b>	NA		

Section 9 Sta	ability and Reactivity
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Pro	ducts: None
Materials and/or Conditions to	avoid: Keep away from heat/sparks/open flames/ hot surfaces - No Smoking
Stability:	Stable
Section 10 To	xicological Information
Threshold Limit Value (ACGIH	TLV): None Established
Threshold Limit Value (OSHA I	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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Inhalation LC50	:	None Established			
Health Hazards (A	Acute and Chronic)	:			
Ingestion of large quantities:		None Established			
Inhalation:		None Established			
Skin Contact:		Liquid my be irritatir	ng		
Eye Contact:		Liquid my be irritatir	ng		
Note:		The above effects a components.	re based on evaluation of individual		
Other Effects:		None Established			
Section 11	Ecolo	gical Information			
<b>Biodegradability:</b>	Not Dete	ermined			
<b>Aquatic Toxicity:</b>	Harmful	to aquatic organisms	with long lasting adverse effects.		
Bioaccumulation	Potential: Not Dete	ermined			
Section 12	Transport Information				
Proper Shipping	Name: EXTRACTS,	FLAVOURING, LIQ	UID		
UN#:	1197				
UN Pkg Group:	II				
ERG#:	127				
Air/Steamer Tran	sport Information:				
Air:	3				
Steamer:	3				
Required Labels	S: FLAMMABLI	E LIQUID			
Section 13		Other Information			
Hazardous Mater	ials Identification S	System			
Health: 1 Fla	ammability: 4	Reactivity: 0	Personal Protection: B		
4-Extreme	B-High 2-Modera	ate 1-Slight	0-No Significant Hazard		
Section 14		Regulato	ory		
R-Phase: 11, 52/5	53, 68/22				
S-Phase:					
Section 15		Conclusio	on		
			ed accurate and reliable. However, the		
-			regarding its correctness or accuracy. It		
•	•		for use of this product, and to assume		
any liability for loss	s, injury, damage or e	expense resulting fro	m 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.