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	
Dandelion Root Extract, Natural (Taxacum officinale) # 553TTB		

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	I: 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 Fi	re 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 H	azards: 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 your workplace safety officer and MSDS.
Section 7	Exposure Controls/Personal Protection

Section /	
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 brown to dark brown turbid liquid with an earthy, somewhat musty	
	aroma.	
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):	0.9390 to 0.9890	
Specific Gravity (@ 25 C):	0.9365 to 0.9565	
Refractive Index (@ 20 C)	: 1.3553 to 1.3753	
Solubility Water:	Soluble	
Solubility Fat:	Insoluble	
Flash Point:	NA	
Flammability (solid,gas):	NA	
Autoflammability:	NA	
Explosive Properties:	NA	
Oxidizing Properties:	NA	
Section 0	Ctability and Depativity	

Section 9	Stability and Reactivity	
Hazardous Polymerization:	Will not occur	
Hazardous Decomposition F	Products: None	
Materials and/or Conditions	to avoid: None	
Stability:	Stable	
Section 10	Toxicological Information	
Threshold Limit Value (ACG	IH TLV): None Established	
Threshold Limit Value (OSH	A 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	

MATERIAL SAFETY DATA SHEET

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 Ecological Information Biodegradability: Not Determined Aquatic Toxicity: Not Determined Bioaccumulation Potential: Not Determined Section 12 Transport Information Proper Shipping Name: EXTRACTS, FLAVOURING, LIQUID UN#: 1197 UN Pkg Group: ERG#: ERG#: 127 Air/Steamer Transport Information: Air: Air: 3 Steamer: 3 Required Labels: FLAMMABLE LIQUID Section 13 Other Information Hazardous Materials Identification System Health: 1 Health: 1 Flammability: Reactivity: 0 Personal Protection: B 4-Extreme 3-High 2-Moderate 1-Slight 0-No Significant Hazard	Health Hazards (Acute	Ind Chronic):	
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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

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