# APEX FLAVORS, INC.

# SAFETY DATA SHEET.



Version 1

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<u>Product identifier</u> Product Code(s) Product name	481PGFT FRESH GINGER EXTRACT, NATURAL
UN/ID No	1197
<u>Recommended use of the chemical</u> Recommended Use Uses advised against	and restrictions on use No information available. No information available
Manufacturer	Apex Flavors, Inc. 1371 Brass Mill Rd. Suite A Belcamp, MD 21017 (410) 565-6600

### Emergency telephone

Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

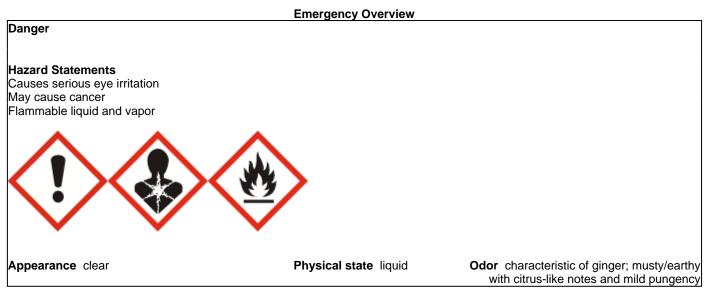
# 2. HAZARDS IDENTIFICATION

# **Classification**

Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1A
Flammable liquids	Category 3

# GHS Label elements, including

precautionary statements



# **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower In case of fire: Use CO2, dry chemical, or foam for extinction

# **Precautionary Statements - Storage**

Store locked up Store in a well-ventilated place. Keep cool

# **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Hazards not otherwise classified (HNOC)

# Other information

Toxic to aquatic life

# **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
ETHYL ALCOHOL	64-17-5	50-90%	*

# 4. FIRST AID MEASURES

# First aid measures for different exposure routes

General advice	Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.	
Skin contact	Wash off immediately with plenty of water.	
Inhalation	Move to fresh air.	
Ingestion	Clean mouth with water and drink afterwards plenty of water.	
Self-protection of the first aider	Remove all sources of ignition.	
Most important symptoms/effects,	acute and delayed	
Main Symptoms	Hives.	
Indication of immediate medical attention and special treatment needed, if necessary		
Note to physicians	Treat symptomatically.	

# **5. FIRE-FIGHTING MEASURES**

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable extinguishing media

Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.

# Specific hazards arising from the chemical

No information available.

Explosion data Sensitivity to Mechanical Impact none.

## Sensitivity to Static Discharge Yes.

# **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

	6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective	e equipment and emergency procedures
Personal precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.
Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Methods and materials for conta	ainment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.
	7. HANDLING AND STORAGE
Precautions for safe handling	
Advice on safe handling	Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Conditions for safe storage, including any incompatibilities		
Storage Conditions	Keep tightly closed in a dry and cool place. Keep in properly labeled containers.	
Incompatible products	None known based on information supplied.	

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ETHYL ALCOHOL	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900	IDLH: 3300 ppm
64-17-5		mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900
		(vacated) TWA: 1000 ppm	mg/m <sup>3</sup>
		(vacated) TWA: 1900 mg/m <sup>3</sup>	-

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
Exposure controls	
Engineering Controls	Showers Eyewash stations

Ventilation systems.

### Individual protection measures, such as personal protective equipment

Eye/face protection	If splashes are likely to occur, wear:.
Skin and body protection	Chemical resistant apron.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection must be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Physical and chemical properties

Physical state Appearance Odor Color	liquid clear characteristic of ginger; yellow-green	musty/earthy with citrus-like notes and mild pu	ingency
-		••	

Property pН Melting/freezing point Boiling point/boiling range Flash Point **Evaporation rate** Flammability (solid, gas) Flammability Limits in Air Upper flammability limit lower flammability limit Vapor pressure mm Hg 20°C Vapor density Specific Gravity @ 25C Specific Gravity @ 20C **Refractive Index** Water solubility Solubility in other solvents Partition coefficient: n-octanol/water Autoignition temperature **Decomposition temperature** Viscosity, kinematic Viscosity, dynamic **Explosive properties Oxidizing Properties** Other information

Softening point Molecular Weight VOC Content(%) **Density VALUE Bulk Density VALUE** 

# Values

24 °C / 76 °F No information available No information available

No information available No information available

0.8735 - 0.8835 0.8765 - 0.8865 1.360 - 1.370 Practically insoluble

No information available

No information available No information available No information available No information available

No information available No information available No information available No information available No information available

Method No information available FCC Method FCC Method Closed cup No information available No information available No information available

No information available No information available FCC Method FCC Method FCC Method

No information available No information available No information available No information available No information available

# **10. STABILITY AND REACTIVITY**

# Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

# Possibility of hazardous reactions

None under normal processing.

# Conditions to Avoid

Heat, flames and sparks.

# Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

# **11. TOXICOLOGICAL INFORMATION**

# Information on likely routes of exposure

Chamical Nama	Oral L DE0	Dormol J D50	LCE0 Inheletion
Ingestion	There is no data available for this product.		
Skin contact	There is no data available for this product.		
Eye contact	There is no data available	for this product.	
Inhalation	There is no data available	for this product.	
Product Information	Product does not present an acute toxicity hazard based on known information		

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
ETHYL ALCOHOL 64-17-5	7060 mg/kg (Rat)	-	124.7 mg/L (Rat)4 h

### Information on toxicological effects

Specific target organ systemic

Symptoms

Ρ

No information available.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).	Sensitization Germ Cell Mutagenicity Carcinogenicity	No information available. No information available. This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).
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Chemical Name	ACGIH	IARC	NTP	OSHA
ETHYL ALCOHOL	A3	Group 1	Known	Х
64-17-5				

 ACGIH (American Conference of Governmental Industrial Hygienists)

 A3 - Animal Carcinogen

 IARC (International Agency for Research on Cancer)

 Group 1 - Carcinogenic to Humans

 NTP (National Toxicology Program)

 Known - Known Carcinogen

 OSHA (Occupational Safety and Health Administration of the US Department of Labor)

 X - Present

 Reproductive toxicity
 No information available.

 Specific target organ systemic
 No information available.

 toxicity (single exposure)
 Vertice

No information available.

# toxicity (repeated exposure)<br/>Chronic toxicity<br/>Target Organ EffectsMay cause adverse liver effects. Contains a known or suspected reproductive toxin.<br/>Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system,<br/>Skin.Aspiration hazardNo information available.

# Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document . mg/kg mg/l

# **12. ECOLOGICAL INFORMATION**

# **Ecotoxicity**

Toxic to aquatic life

38.844% of the mixture consists of components(s) of unknown hazards to the aquatic environment

# Persistence and degradability

No information available.

### **Bioaccumulation**

No information available.

Chemical Name	log Pow
ETHYL ALCOHOL	-0.32
64-17-5	

# Other adverse effects

No information available

# **13. DISPOSAL CONSIDERATIONS**

Waste treatment	
Waste Disposal Methods	It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
Contaminated packaging	Do not reuse container.
US EPA Waste Number	D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
ETHYL ALCOHOL	Toxic Ignitable
64-17-5	

# **14. TRANSPORT INFORMATION**

# DOT/ADR

UN/ID No	1197
Proper shipping name	EXTRACTS, FLAVOURING, LIQUID
Hazard class	3
Packing Group	III
ERG Code	127

ICAO/IATA UN/ID No Proper shipping name Hazard class Packing Group	1197 EXTRACTS, FLAVOURING, LIQUID 3 III
IMDG / IMO UN/ID No Proper shipping name Hazard class Packing Group	1197 EXTRACTS, FLAVOURING, LIQUID 3 III

# **15. REGULATORY INFORMATION**

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# U.S. Federal Regulations

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

# SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

# **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

# U.S. State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
ETHYL ALCOHOL - 64-17-5	Carcinogen
	Developmental

# U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ETHYL ALCOHOL	Х	X	Х
64-17-5			

### U.S. EPA Label information

16. OTHER INFORMATION				
<u>NFPA</u>	Health Hazard 2	Flammability 3	Instability 0	Physical and chemical hazards *
<u>HMIS</u>	Health Hazard 2	Flammability 3	Physical Hazard 0	Personal protection B

Revision Date	14-Jun-2018	
Revision Note	No information available	
Revision#	1	

# WARNING/DISCLAIMER:

Apex Flavors, Inc.'s products are sold exclusively for use in food and drink for human consumption. These products have not been tested, nor have they been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, and electronic cigarettes or similar devices (collectively "E-Cigarettes"). In supplying this product(s), Apex Flavors, Inc. instructs, and purchasing recipient confirms, that this product(s) will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof. Recipients of our products that use them outside of their intended use of food or drink do so at their own risk and without warranty, either expressed or implied, from Apex Flavors, Inc. or its suppliers. The user assumes all liability for loss, injury, damage, or expense resulting from such uses.

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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