# APEX FLAVORS, INC.



# SAFETY DATA SHEET.

This safety data sheet complies with the requirements of: OSHA CFR Title 29 CFR 1910.1200

Version 1

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

Product identifier

Product Code(s) 504, 504BEV, 504TTB

Product name HIBISCUS CHERRY LIME TYPE, NATURAL FLAVOR BLEND

**UN/ID No** 1197

Recommended use of the chemical and restrictions on use
Recommended Use
No information available.
Uses advised against
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

Skin Sensitization	Category 1
Carcinogenicity	Category 1A
Flammable liquids	Category 3

# GHS Label elements, including precautionary statements

**Emergency Overview** 

#### Danger

#### **Hazard Statements**

May cause an allergic skin reaction May cause cancer Flammable liquid and vapor



Appearance liquid Physical state liquid Aroma No information available

**Precautionary Statements - Response** 

IF exposed or concerned: Get medical advice/attention

Specific treatment (see .? on this label)

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

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

- · Harmful to aquatic life with long lasting effects
- · Harmful to aquatic life

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
ETHYL ALCOHOL	64-17-5	5-10%	*
GLYCERINE	56-81-5	1-5%	*
LIMONENE	5989-27-5	<1	*
BENZYL ALCOHOL	100-51-6	<1	*
BENZALDEHYDE	100-52-7	<1	*
PINENES	80-56-8	<1	*

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

**General advice** If symptoms persist, call a physician.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

**Skin contact** Immediate medical attention is not required. Wash off immediately with soap and plenty of

water while removing all contaminated clothes and shoes. If skin irritation persists, call a

physician.

**Inhalation** Immediate medical attention is not required. If symptoms persist, call a physician. Move to

fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Call a physician. Do NOT induce vomiting.

**Self-protection of the first aider**Use personal protective equipment.

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. Dry chemical. Carbon dioxide CO2. Water spray. Alcohol-resistant foam.

#### 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

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

#### **Explosion data**

Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge

#### **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 equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Remove all sources of ignition. Pay attention to flashback. Take precautionary measures

against static discharges. Use personal protective equipment.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. **Environmental precautions** 

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in

low areas.

#### Methods and materials for containment 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. Pick up and transfer to properly labeled

containers. Take precautionary measures against static discharges.

# 7. HANDLING AND STORAGE

# Precautions for safe handling

Advice on safe handling Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors

> by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

#### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep

in properly labeled containers.

None known based on information supplied. Incompatible products

# 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 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
GLYCERINE 56-81-5	-	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	
ACETIC ACID 64-19-7	STEL: 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 25 mg/m³ (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m³	IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 37 mg/m³
PINENES 80-56-8	TWA: 20 ppm	-	
ISOAMYL ALCOHOL 123-51-3	STEL: 125 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 360 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m³ (vacated) STEL: 125 ppm (vacated) STEL: 450 mg/m³	IDLH: 500 ppm TWA: 100 ppm TWA: 360 mg/m³ STEL: 125 ppm STEL: 450 mg/m³
CITRAL 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-	
ACETOPHENONE 98-86-2	TWA: 10 ppm	-	
ISOAMYL ACETATE 123-92-2	STEL: 100 ppm TWA: 50 ppm	TWA: 100 ppm TWA: 525 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 1000 ppm TWA: 100 ppm TWA: 525 mg/m³
BENZYL ACETATE 140-11-4	TWA: 10 ppm	-	
ETHYL ACETATE 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m³	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m³
ISOBUTYL ACETATE 110-19-0	TWA: 150 ppm	TWA: 150 ppm TWA: 700 mg/m³ (vacated) TWA: 150 ppm (vacated) TWA: 700 mg/m³	IDLH: 1300 ppm TWA: 150 ppm TWA: 700 mg/m³
DIMETHYL SULFIDE 75-18-3	TWA: 10 ppm		
BENZONITRILE 100-47-0	-	TWA: 5 mg/m³ CN (vacated) TWA: 5 mg/m³ S*	IDLH: 25 mg/m³ CN

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** Tightly fitting safety goggles.

**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

No information available

No information available

provided in accordance with current local regulations.

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area **General Hygiene Considerations** 

and clothing.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and chemical properties

Physical state liquid liquid **Appearance** 

No information available **Aroma** Color No information available

Property Values Method

No information available pН

FCC Method Melting/freezing point Boiling point/boiling range FCC Method Flash Point 53 °C / 128 °F Closed cup

**Evaporation rate** No information available No information available Flammability (solid, gas) No information available No information available No information available

Flammability Limits in Air **Upper flammability limit** No information available

lower flammability limit No information available

Vapor pressure mm Hg 20°C No information available Vapor density No information available

Specific Gravity @ 25C 0.9891 - 1.0091 FCC Method Specific Gravity @ 20C 0.9921 - 1.0121 FCC Method 1.3873 - 1.4073 FCC Method Refractive Index @ 20C

Practically insoluble Water solubility Solubility in other solvents

Partition coefficient: n-octanol/water

No information available No information available **Autoignition temperature** 

No information available **Decomposition temperature** Viscosity, kinematic No information available No information available Viscosity, dynamic No information available

**Explosive properties** No information available **Oxidizing Properties** No information available

Other information

No information available Softening point **Molecular Weight** No information available **VOC Content(%)** No information available **Density VALUE** No information available **Bulk Density VALUE** 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

Product Information Product does not present an acute toxicity hazard based on known information

**Inhalation** There is no data available for this product.

**Eye contact** There is no data available for this product.

**Skin contact** There is no data available for this product.

**Ingestion** There is no data available for this product.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
PROPYLENE GLYCOL	20000 mg/kg (Rat)	20800 mg/kg ( Rabbit )	-
57-55-6			
ETHYL ALCOHOL	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h
64-17-5			- ' '
GLYCERINE	-	10 g/kg (Rabbit)	570 mg/m <sup>3</sup> (Rat) 1 h
56-81-5			
PINENES	2100 mg/kg (Rat)	5000 mg/kg (Rat)	-
80-56-8			

#### Information on toxicological effects

**Symptoms** No information available.

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

Sensitization No information available.

Germ Cell Mutagenicity No information available.

Carcinogenicity 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).

Chemical Name	ACGIH	IARC	NTP	OSHA
ETHYL ALCOHOL	A3	Group 1	Known	X
64-17-5		-		
LIMONENE		Group 3		
5989-27-5		·		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

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

X - Present

Reproductive toxicity
Specific target organ systemic
No information available.
No information available.

toxicity (single exposure)
Specific target organ systemic
toxicity (repeated exposure)

No information available.

Chronic toxicity
Target Organ Effects

May cause adverse liver effects. Contains a known or suspected reproductive toxin. Blood, Central nervous system, Eyes, Kidney, Liver, Reproductive system, Respiratory

system, Skin.

**Aspiration hazard** No 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**

Harmful to aquatic life with long lasting effects

41.83006% 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	
GLYCERINE	-1.76
56-81-5	
BENZYL ALCOHOL	1.1
100-51-6	
BENZALDEHYDE	1.48
100-52-7	
PINENES	4.1
80-56-8	

#### 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 U004 U112

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	, and the second
LIMONENE	Toxic
5989-27-5	

# 14. TRANSPORT INFORMATION

**DOT/ADR**Not regulated (If shipped in NON BULK packaging by ground transport)

**UN/ID No** 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Hazard class 3
Packing Group III
ERG Code 127

ICAO/IATA

**UN/ID No** 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Hazard class 3
Packing Group III
ERG Code 127

IMDG / IMO

**UN/ID No** 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Hazard class 3
Packing Group III

# 15. REGULATORY INFORMATION

**International Inventories** 

TSCA DSL/NDSL EINECS/ELINCS ENCS IECSC KECL PICCS AICS -

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 HazardYesChronic Health HazardnoFire HazardYes

**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

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
PROPYLENE GLYCOL 57-55-6	Χ		Х
ETHYL ALCOHOL 64-17-5	Х	Х	Х
GLYCERINE 56-81-5	Х	Х	Х
PINENES 80-56-8	Х	Х	Х
ETHYL BUTYRATE 105-54-4	Х	Х	Х
BENZONITRILE 100-47-0	Х	Х	Х

#### U.S. EPA Label information

# 16. OTHER INFORMATION

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

Revision Date 02-Oct-2020

**Revision Note** No information available

Revision# 1

# WARNING/DISCLAIMER:

The ingredients/flavors provided by Apex have not been tested, nor have they been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-Cigarettes"). In supplying ingredients/flavors, Apex instructs, and by receiving such ingredients/flavors recipient confirms, that the ingredients/flavors will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.

#### 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,

Revision Date 02-Oct-2020

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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