## APEX FLAVORS, INC.



## SAFETY DATA SHEET.

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision Date 14-Nov-2022 Version 2

## 1. Identification

**Product identifier** 

**Product name**Blueberry Pomegranate Type, Natural Flavor Blend

Other means of identification

Product Code(s) 1154TTB

**UN/ID No** 1197

CAS No NA
FEMA Numbers NA
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use No information available

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer

Apex Flavors, Inc. 1361 Brass Mill Rd. Suite E Belcamp, MD 21017 (410) 565-6600

**Emergency telephone number** 

**Emergency telephone** 

Chemtrec: 1-800-424-9300 for US/ Outside US Chemtel 813-248-0585

## 2. Hazard(s) identification

### Classification

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

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Label elements

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#### Danger

#### Hazard statements

Causes serious eye irritation Flammable liquid and vapor



Appearance clear

Physical state Liquid

**Aroma** typical of blueberry and pomegranate

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground and bond container and receiving equipment

Use only non-sparking tools

Take action to prevent static discharges

Use explosion-proof electrical/ventilating / lighting/ .? / equipment

#### **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

49.72515 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

41.54088 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

98.54123 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

98.54123 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

67.9655 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Other information

Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

#### 3. Composition/information on ingredients

#### Substance

Chemical name	CAS No	Weight-%	Trade secret
PROPYLENE GLYCOL	57-55-6	30-50%	*
GLYCERINE	56-81-5	15-20%	*

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ETHYL ALCOHOL	64-17-5	10-15%	*
Trade Secret	Trade secret	<1	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

#### **Description of first aid measures**

**Inhalation** Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash skin with soap and water.

**Ingestion** Rinse mouth.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

## 5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media**Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

No information available.

**Explosion data** 

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

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1154TTB - Blueberry Pomegranate Type, Natural

Flavor Blend

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Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

#### Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
GLYCERINE	-	TWA: 15 mg/m <sup>3</sup> mist, total	-
56-81-5		particulate TWA: 5 mg/m³ mist,	
		respirable fraction	
		(vacated) TWA: 10 mg/m <sup>3</sup>	
		mist, total particulate (vacated)	
		TWA: 5 mg/m³ mist, respirable	
		fraction	
ETHYL ALCOHOL	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900	IDLH: 3300 ppm
64-17-5		mg/m³	TWA: 1000 ppm TWA: 1900
		(vacated) TWA: 1000 ppm	mg/m³
		(vacated) TWA: 1900 mg/m <sup>3</sup>	
Trade Secret	TWA: 10 ppm	-	-

#### **Appropriate engineering controls**

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection**No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

Property Values • Method

No data available None known Melting/freezing point No data available None known Boiling point/boiling range No data available None known 30 °C / 86 °F Closed cup Flash Point

**Evaporation rate** No data available

Flammability (solid, gas) No data available None known

Flammability Limits in Air None known **Upper flammability limit** No data available

lower flammability limit No data available

Vapor pressure mm Hg 20°C No data available None known Vapor density No data available None known

Relative density

Solubility in other solvents No data available None known Partition coefficient: n-octanol/waterNo data available None known

No data available **Autoignition temperature** Remarks None known

**Decomposition Temperature VALUE** 

Remarks None known

Viscosity, kinematic No data available None known Viscosity, dynamic No data available None known

Information on basic physical and chemical properties

Physical state Liquid **Appearance** clear

Color Colorless to pale yellow

typical of blueberry and pomegranate **Aroma** 

**Odor Threshold** No information available

**Property** Values Method No data available Hq None known None known Melting/freezing point No data available None known Boiling point/boiling range No data available Flash Point 30 °C / 86 °F Closed Cup **Evaporation rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limits in Air None known

Upper flammability limit No data available

lower flammability limit No data available Vapor pressure mm Hg 20°C No data available

Vapor density No data available None known Relative density None known Water solubility No data available None known Solubility in other solvents No data available None known Partition coefficient: n-octanol/waterNo data available None known **Autoignition temperature** No data available None known

**Decomposition Temperature VALUE** 

None known Viscosity, kinematic No data available None known Viscosity, dynamic No data available None known

Other information

**Explosive properties** No information available No information available Oxidizing properties No information available Softening point **Molecular Weight** No information available

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to the requirements of:

None known

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VOC content

Density VALUE

Bulk Density VALUE

Specific Gravity @ 25C

Specific Gravity @ 20C

Refractive Index @ 20C

No information available

### 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

**Conditions to Avoid**None known based on information supplied.

**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

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

**Acute toxicity** 

#### **Numerical measures of toxicity**

No information available

#### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 14,501.70 mg/kg ATEmix (dermal) 15,603.00 mg/kg ATEmix (inhalation-dust/mist) 249.80 mg/l

49.72515 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

41.54088 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

98.54123 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) 98.54123 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

67.9655 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
PROPYLENE GLYCOL 57-55-6	20000 mg/kg (Rat)	20800 mg/kg(Rabbit)	-
GLYCERINE	-	10 g/kg (Rabbit)	570 mg/m <sup>3</sup> ( Rat ) 1 h

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56-81-5			
ETHYL ALCOHOL 64-17-5	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h
Trade Secret	535 mg/kg (Rat)	-	-

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

**Skin corrosion/irritation**No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** No information available.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
ETHYL ALCOHOL	A3	Group 1	Known	X
64-17-5		-		

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

Target organ effects Blood, Central nervous system, Eyes, Kidney, Liver, Reproductive system, Respiratory

system, Skin.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

## 12. Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
PROPYLENE GLYCOL	19000: 96 h	51600: 96 h	-	10000: 24 h Daphnia
57-55-6	Pseudokirchneriella	Oncorhynchus mykiss		magna mg/L EC50 1000:
	subcapitata mg/L EC50	mg/L LC50 static 41 - 47:		48 h Daphnia magna
		96 h Oncorhynchus		mg/L EC50 Static
		mykiss mL/L LC50 static		
		51400: 96 h Pimephales		

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		promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50		
GLYCERINE 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	-	500: 24 h Daphnia magna mg/L EC50
ETHYL ALCOHOL 64-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Trade Secret	-	-	-	23: 48 h Daphnia pulex mg/L EC50

Persistence and degradability No information available.

There is no data for this product. **Bioaccumulation** 

Chemical name	Partition coefficient
GLYCERINE 56-81-5	-1.76
ETHYL ALCOHOL 64-17-5	-0.32

Other adverse effects No information available.

## 13. Disposal considerations

#### **Waste treatment**

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

**US EPA Waste Number** D001, U004

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as

a hazardous waste.

## 14. Transport information

DOT/ADR

**UN/ID No** 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Transport hazard class(es) 3 Ш **Packing Group Emergency Response Guide** 

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Number

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#### Flavor Blend

ICAO/IATA

UN number or ID number 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Transport hazard class(es) 3
Packing group III
ERG Code 127

IMDG / IMO

UN number or ID number 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Transport hazard class(es) 3
Packing Group ||||

## 15. Regulatory information

#### **International Inventories**

**TSCA** Contact supplier for inventory compliance status.

DSL/NDSL Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **ENCS IECSC** Contact supplier for inventory compliance status. **KECL** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. AIIC **NZIoC** Contact supplier for inventory compliance status.

#### 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

AllC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

#### 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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (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**

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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.

#### **US State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage

Chemical name	California Proposition 65	
ETHYL ALCOHOL - 64-17-5	Carcinogen	

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

This product does not contain any substances regulated under applicable state right-to-know regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
PROPYLENE GLYCOL 57-55-6	X	-	Х
GLYCERINE 56-81-5	X	Х	X
ETHYL ALCOHOL 64-17-5	X	X	X
ISOAMYL ACETATE 123-92-2	X	Х	X
ETHYL BUTYRATE 105-54-4	X	Х	X
BENZALDEHYDE 100-52-7	X	Х	X
ISOBUTYL ACETATE 110-19-0	X	Х	X
ISOAMYL ALCOHOL 123-51-3	X	Х	X
Trade Secret	-	-	Х
ETHYL CAPROATE 123-66-0	Х	Х	Х
Octyl acetate 112-14-1	-	-	Х
Trade Secret	X	-	Х
BENZYL ACETATE 140-11-4	X	-	-
Trade Secret	Х	Х	Х
Trade Secret	-	-	Х
Trade Secret	Х	Х	Х
ETHYL OCTANOATE 106-32-1	-	Х	Х

#### U.S. EPA Label information

#### EPA Pesticide Registration Number Not applicable

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16. Other information

NFPA<br/>HMISHealth hazards 2Flammability 3Instability 0Special hazards -HMISHealth hazards 2Flammability 3Physical hazards 0Personal protection X

Abbreviations, acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA: Time weighted average STEL: Short term exposure limit

Ceiling: Maximum limit value: \* Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA) EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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**Revision Note** No information available.

#### **WARNING/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.

#### 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.

**End of Safety Data Sheet** 

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