# APEX FLAVORS, INC.

# SAFETY DATA SHEET.



Version 1

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

1.1. Product identifier

Number 340BEV

Manufacturer Apex Flavors, Inc.

1371 Brass Mill Rd.

Suite A

Belcamp, MD 21017 (410) 565-6600

Product name BOYSENBERRY TYPE, NATURAL FLAVOR BLEND

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use No information available

1.3. Details of the supplier of the safety data sheet

For further information, please contact:

E-mail Address cpisano@apexflavors.com

1.4. Emergency telephone number

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

## 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Flammable liquids Category 4

## Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

#### 2.2. Label elements

## Signal Word

Warning

H227 - Combustible liquid

## **Precautionary Statements**

P403 + P235 - Store in a well-ventilated place. Keep cool

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P280 - Wear protective gloves/ eye protection/ face protection

### 2.3. Other information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	EC-No	CAS-No	Alternate CAS #	Weight %	Classificatio n according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
PROPYLENE GLYCOL	200-338-0	57-55-6		90-100%	-	No data available	No data available
2-Butanone, 4-(4-hydroxyphenyl)-	Present	5471-51-2		1-5%	-	Acute Tox. 4 (H302) (EFFA)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

## 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

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.

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.

**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.

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

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

## **Suitable Extinguishing Media**

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

## Extinguishing media which shall not be used for safety reasons

No information available

5.2. Special hazards arising from the substance or mixture

#### **Special Hazard**

None .

#### 5.3. Advice for firefighters

## Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

## 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

See Section 12 for additional Ecological Information

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

## 7. HANDLING AND STORAGE

#### 7.1. Precautions for 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).

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

Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

#### 7.3 Specific end use(s)

**Exposure scenario** N/A

**Other Guidelines** N/A

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

This product, as supplied, does not contain any hazardous materials with occupational **Exposure limits** 

exposure limits established by the region specific regulatory bodies

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
PROPYLENE GLYCOL		STEL: 450 ppm STEL:			
57-55-6		1422 mg/m <sup>3</sup> STEL: 30			
		mg/m³			
		TWA: 150 ppm TWA:			
		474 mg/m <sup>3</sup> TWA: 10			
		mg/m³			

Chemical Name	Austria	Sweden - Occupational	Switzerland	Poland	Norway
		Exposure Limits - TLVs (LLVs)			

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PROPYLENE GLYCOL 57-55-6			TWA: 25 ppm TWA: 79 mg/m <sup>3</sup> STEL: 37.5 ppm
			STEL: 118.5 mg/m <sup>3</sup>

Component	Ireland		
PROPYLENE GLYCOL	TWA: 150 ppm TWA: 470 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>		
57-55-6 ( 90-100% )			

Derived No Effect Level (DNEL) No information available

**Predicted No Effect Concentration** 

(PNEC)

No information available

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas

Personal protective equipment

**Eye Protection** Tightly fitting safety goggles

Hand Protection Protective gloves

Skin and body protection

Respiratory protection

Long sleeved clothing Chemical resistant apron Antistatic boots Impervious gloves
When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators

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

and clothing

Environmental Exposure Controls No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

Physical state liquid **Appearance** clear Odor dark berry Color colorless

Property Values Method

No information available На Melting/freezing point No information available

Boiling point/boiling range FCC Method Flash Point 86 °C / 186 °F Closed cup **Evaporation rate** FCC Method

Flammability (solid, gas) No information available Flammability Limits in Air No information available

Upper flammability limit lower flammability limit

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

Specific Gravity @ 25C 1.027 - 1.047 FCC Method Specific Gravity @ 20C FCC Method 1.03 - 1.05

Refractive Index FCC Method 1.425 - 1.445 Water solubility No information available

Partition coefficient: n-octanol/water No information available No information available **Autoignition temperature** No information available **Decomposition temperature** Viscosity, dynamic No information available

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

9.2. Other information

VOC Content(%) 98.4200192525254 **Molecular Weight** No information available

## 10. STABILITY AND REACTIVITY

## 10.1. Reactivity

#### 10.2. Chemical stability

Stable under normal conditions

## 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Heat, flames and sparks

#### 10.5. Incompatible materials

No materials to be especially mentioned

## 10.6. Hazardous decomposition products

None under normal use conditions

## 11. TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

**Acute toxicity** 

There is no data available for this product Inhalation

**Eve contact** There is no data available for this product

Skin contact There is no data available for this product

There is no data available for this product Ingestion

**Acute toxicity** 0.039448% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 1, 2005):

Oral 14,453.00 mg/kg 21,143.00 mg/kg **Dermal** 

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
PROPYLENE GLYCOL	20000 mg/kg (Rat)	20800 mg/kg ( Rabbit )	

No information available Skin corrosion/irritation Eye damage/irritation No information available Sensitization No information available **Germ Cell Mutagenicity** No information available Carcinogenicity No information available

Specific target organ systemic toxicity (single exposure)

No information available

Specific target organ systemic toxicity (repeated exposure)

No information available

**Target Organ Effects** No information available

**Aspiration hazard** No information available

## 12. ECOLOGICAL INFORMATION

## 12.1. Toxicity

Contains no substances known to be hazardous to the environment or not degradable in **Ecotoxicity effects** waste water treatment plants

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
PROPYLENE GLYCOL	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	

### 12.2. Persistence and degradability

No information available

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## 12.3. Bioaccumulative potential

No information available

## 12.4. Mobility in soil

No information available

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

## 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Waste from residues / unused

products

Dispose of in accordance with local regulations

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or

disposal

## 14. TRANSPORT INFORMATION

DOTNot regulatedIMDG / IMONot regulated

ICAO/IATA Not regulated

## 15. REGULATORY INFORMATION

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **WGK Classification**

Chemical Name	Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes
PROPYLENE GLYCOL	Hazard Class 1
57-55-6	

#### **International Inventories**

All of the components in the product are on the following Inventory lists: United States of America (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), China (IECSC), Japan (ENCS), Philippines (PICCS).

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

## Legend

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

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

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

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

#### 15.2. Chemical safety assessment

### 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

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Revision Note Not applicable.

Revision#

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### 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.

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