

# **SAFETY DATA SHEET.** This safety data sheet complies with the requirements of:

FLAVORS

Sep-2019

Version 5

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

061BEV BUTTERSCOTCH TYPE, NATURAL FLAVOR BLEND
Mixture
ubstance or mixture and uses advised against
Ingredient for further processing
No information available
ety data sheet
Apex Flavors, Inc. 1371 Brass Mill Rd. Suite A Belcamp, MD 21017 (410) 565-6600
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# Section 2: HAZARDS IDENTIFICATION

# **2.1. Classification of the substance or mixture**

REGULATION (EC) NO 1272/2008	
Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 1A - (H350)
Flammable liquids	Category 3 - (H226)



Hazard Statements H319 - Causes serious eye irritation H350 - May cause cancer

H226 - Flammable liquid and vapor

### Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P370 + P378 - In case of fire: Use .? to extinguish
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

#### 2.3. Other information

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
PROPYLENE GLYCOL	200-338-0	57-55-6	30-50%	No data available	No data available
ETHYL ALCOHOL	200-578-6	64-17-5	20-30%	Flam. Liq. 2 (H225) Eve Irrit. 1 (H319)	No data available

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

#### Full text of H- and EUH-phrases: see section 16

# Section 4: FIRST AID MEASURES 4.1. Description of first aid measures Move to fresh air. Inhalation Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper evelids. Eve contact Consult a physician. Ingestion Clean mouth with water and drink afterwards plenty of water. 4.2. Most important symptoms and effects, both acute and delayed Main Symptoms No information available. 4.3. Indication of any immediate medical attention and special treatment needed Note to physicians Treat symptomatically.

# Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

#### Suitable Extinguishing Media

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

### Unsuitable extinguishing media

No information available

#### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

Personal precautions

Ensure adequate ventilation.

#### For emergency responders

Use personal protection recommended in Section 8.

#### 6.2. Environmental precautions

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

#### 6.3. 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 Take up mechanically, placing in appropriate containers for disposal.

#### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

#### Advice on safe handling

Ensure adequate ventilation.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

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

#### Storage Conditions

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

#### Incompatible products None known based on information supplied.

7.3 Specific end use(s)

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

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/m <sup>3</sup>			
		TWA: 150 ppm TWA:			
		474 mg/m³ TWA: 10			
		mg/m³			
ETHYL ALCOHOL	-	STEL: 3000 ppm	VME: 1000 ppm VME:	VLA-ED: 1000 ppm	-
64-17-5		STEL: 5760 mg/m <sup>3</sup>	1900 mg/m <sup>3</sup>	VLA-ED: 1910 mg/m <sup>3</sup>	
		TWA: 1000 ppm TWA:			
		1920 mg/m <sup>3</sup>	VLCT: 9500 mg/m <sup>3</sup>		
Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
ETHYL ALCOHOL	-	TWA: 1000 ppm	Skin		
64-17-5			STEL: 1900 mg/m <sup>3</sup>	1900 mg/m <sup>3</sup>	1900 mg/m³
			TWA: 260 mg/m <sup>3</sup>	STEL: 1300 ppm	
				STEL: 2500 mg/m <sup>3</sup>	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
PROPYLENE GLYCOL	-	-	-	TWA: 25 ppm TWA:	TWA: 150 ppm TWA:
57-55-6				79 mg/m³	470 mg/m <sup>3</sup> TWA: 10
				STEL: 37.5 ppm	mg/m³
				STEL: 118.5 mg/m <sup>3</sup>	
ETHYL ALCOHOL	STEL 2000 ppm STEL	STEL: 1000 ppm	NDS: 1900 mg/m <sup>3</sup>	TWA: 500 ppm TWA:	TWA: 1000 ppm TWA:
64-17-5	3800 mg/m <sup>3</sup>	STEL: 1920 mg/m <sup>3</sup>		950 mg/m <sup>3</sup>	1900 mg/m³
	MAK: 1000 ppm MAK:	MAK: 500 ppm MAK:		STEL: 625 ppm STEL:	
	1900 mg/m <sup>3</sup>	960 mg/m <sup>3</sup>		1187.5 mg/m <sup>3</sup>	

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration	No information available.
(PNEC)	

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment	
Eye/face protection	Tightly fitting safety goggles.
Skin and body protection	Long sleeved clothing.
Respiratory protection	NIOSH/MSHA approved respiratory protection is required to be worn.

Environmental Exposure Controls No information available.

# Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state Appearance Aroma Color	liquid clear butterscotch pale to slightly yellow	
Property pH Melting/freezing point Boiling point/boiling range Flash Point	<u>Values</u> 32 °C / 90 °F	• <u>Method</u> No information available No information available FCC Method Closed cup
Evaporation rate Flammability (solid, gas) Flammability Limits in Air Upper flammability limit lower flammability limit		FCC Method No information available No information available No information available
Vapor pressure mm Hg 20°C Vapor density		No information available No information available

Relative density	
Specific Gravity @ 25C	0.9711 - 0.9911
Specific Gravity @ 20C	0.9741 - 0.9941
Refractive Index	1.3868 - 1.4068
Water solubility	
Solubility in other solvents	
Partition coefficient: n-octanol/wate	r
Autoignition temperature	
Decomposition temperature	
Viscosity, kinematic	
Viscosity, dynamic	
Explosive properties	No information available
Oxidizing Properties	No information available
9.2. Other information	
0 (1 )	Nie infermentien eurollehie

Softening pointNo information availableMolecular WeightNo information availableVOC Content(%)No information availableDensity VALUENo information availableBulk Density VALUENo information available

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

# Section 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under normal conditions.

Explosion data Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge Yes.

#### 10.3. Possibility of hazardous reactions

Hazardous Reactions None under normal processing.

#### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

None under normal use conditions.

# Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

### Acute toxicity

#### **Product Information**

Product does not present an acute toxicity hazard based on known or supplied 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.

#### The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) 8,773.00 mg/kg

ATEmix (oral)	8,773.00 mg/kg
ATEmix (dermal)	20,873.00 mg/kg
ATEmix (inhalation-dust/mist)	66,489.07 mg/l
Unknown Acute Toxicity	

99.8714% of the mixture consists of ingredient(s) of unknown toxicity.

29.1824 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

63.47278 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

99.8714 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

99.8714 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

70.98102 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

### Oral LD50

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
PROPYLENE GLYCOL	20000 mg/kg (Rat)	20800 mg/kg (Rabbit)	
ETHYL ALCOHOL	7060 mg/kg (Rat)		124.7 mg/L (Rat)4 h
Skin corrosion/irritation	No information available.		
Eye damage/irritation	No information available.		
Sensitization	No information available.		
Germ Cell Mutagenicity	No information available.		
Carcinogenicity	No information available.		
Reproductive toxicity	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	Blood, Central nervous sys Skin.	tem, Eyes, Liver, Reproductive s	system, Respiratory system,
Aspiration hazard	No information available.		

# Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

Toxic to aquatic life

## 34.5889% of the mixture consists of components(s) of unknown hazards to the aquatic environment

	Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
PF	ROPYLENE 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	10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static

		promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	
ETHYL ALCOHOL	-	mykiss mL/L LC50 static 100: 96 h	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

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

Chemical Name	log Pow
ETHYL ALCOHOL	-0.32

#### 12.4. Mobility in soil

# Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

# Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty remaining contents.

# Section 14: TRANSPORT INFORMATION

IMDG / IMO	
14.1 UN/ID No	1197
14.2 Proper shipping name	EXTRACTS, FLAVOURING, LIQUID
14.3 Hazard class	3
14.4 Packing Group	III

DOT/ADR/RID_	
14.1 UN/ID No	1197
14.2 Proper shipping name	EXTRACTS, FLAVOURING, LIQUID
14.3 Hazard class	3
14.4 Packing Group	III

D/IATA	
UN/ID No	1197
Proper shipping name	EXTRACTS, FLAVOURING, LIQUID
Hazard class	3
Packing Group	III
Environmental hazard	Not applicable
Special Provisions	None
	<u>D/IATA</u> UN/ID No Proper shipping name Hazard class Packing Group Environmental hazard Special Provisions

# Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

#### International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
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

#### 15.2. Chemical safety assessment

No information available

### Section 16: OTHER INFORMATION

#### Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of R-phrases referred to under sections 2 and 3

No information available

**Full text of H-Statements referred to under section 3** H225 - Highly flammable liquid and vapor H319 - Causes serious eye irritation

#### Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section	8: EXPOSURE CONTROLS/	PERSONAL PROTECTION	
TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value:	*	Skin designation
<b>Revision Date</b>	26-Sep-2	2019	
Reason for revis	ion: Not appl	icable.	

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

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