# APEX FLAVORS, INC.

# SAFETY DATA SHEET.



This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 01-Jul-2019 Version 5

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

1.1. Product identifier

Product Code(s)031, 031BEV, 031PGF, 031ICR, 031COFProduct nameCOCONUT TYPE, NATURAL FLAVOR BLEND

Pure substance/mixture Mixture

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

Recommended Use Ingredient for further processing

Uses advised against No information available

1.3. 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

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/ Outside US Chemtel 813-248-0585

# **Section 2: HAZARDS IDENTIFICATION**

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

REGULATION (EC) No 1272/2008

REGULATION (EC) NO 1272/2000	
Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 1A - (H350)
Flammable liquids	Category 3 - (H226)

# 2.2. Label elements

Product identifier Contains ETHYL ALCOHOL







Signal Word Danger

#### **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
ETHYL ALCOHOL	200-578-6	64-17-5	30-50%	Flam. Liq. 2 (H225) Eye Irrit. 1 (H319)	No data available
METHYL N-AMYL KETONE FCC (2-Heptanone)	Present	110-43-0	<1%	Acute Tox. 4 (H302) Acute Tox. 4 (H302) (EFFA) Flam. Liq. 3 (H226)(EFFA) Acute Tox. 4 (H332)(EFFA) Flam. Liq. 3 (H226) Acute Tox. 4 (H332)	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

**Inhalation** Move to fresh air.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes.

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

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
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:	VLCT: 5000 ppm		
		1920 mg/m <sup>3</sup>	VLCT: 9500 mg/m <sup>3</sup>		
METHYL N-AMYL KETONE	S*	STEL: 100 ppm STEL:	TWA: 50 ppm TWA:	S*	-
FCC (2-Heptanone)	TWA 50 ppm TWA	475 mg/m <sup>3</sup>	238 mg/m <sup>3</sup>	STEL: 100 ppm STEL:	
110-43-0	238 mg/m <sup>3</sup>	TWA: 50 ppm TWA:	STEL: 100 ppm STEL:	474 mg/m <sup>3</sup>	
	STEL 100 ppm STEL	237 mg/m <sup>3</sup>	475 mg/m <sup>3</sup>	TWA: 50 ppm TWA:	
	475 mg/m <sup>3</sup>	Skin		237 mg/m <sup>3</sup>	
Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
ETHYL ALCOHOL	-	TWA: 1000 ppm	Skin	TWA: 1000 ppm TWA:	TWA: 1000 ppm TWA:
64-17-5			STEL: 1900 mg/m <sup>3</sup>	1900 mg/m <sup>3</sup>	1900 mg/m <sup>3</sup>
			TWA: 260 mg/m <sup>3</sup>	STEL: 1300 ppm	
				STEL: 2500 mg/m <sup>3</sup>	
METHYL N-AMYL KETONE	TWA: 50 ppm TWA:	TWA: 50 ppm	TWA: 233 mg/m <sup>3</sup>	TWA: 50 ppm TWA:	TWA: 50 ppm TWA:
FCC (2-Heptanone)	238 mg/m <sup>3</sup>			240 mg/m <sup>3</sup>	238 mg/m <sup>3</sup>
110-43-0	STEL: 100 ppm STEL:			STEL: 75 ppm STEL:	Skin
	475 mg/m <sup>3</sup>			360 mg/m <sup>3</sup>	
	Skin			Skin	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
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/m <sup>3</sup>
	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>	
METHYL N-AMYL KETONE	Skin	TWA: 50 ppm TWA:	STEL: 475 mg/m <sup>3</sup>	TWA: 25 ppm TWA:	TWA: 50 ppm TWA:
FCC (2-Heptanone)	STEL 100 ppm STEL	235 mg/m <sup>3</sup>	TWA: 238 mg/m <sup>3</sup>	115 mg/m <sup>3</sup>	238 mg/m <sup>3</sup>
110-43-0	473 mg/m <sup>3</sup>			Skin	STEL: 100 ppm STEL:
	TWA: 50 ppm TWA:			STEL: 37.5 ppm	475 mg/m <sup>3</sup>
	237 mg/m <sup>3</sup>			STEL: 143.75 mg/m <sup>3</sup>	Skin

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration No information available.

(PNEC)

8.2. Exposure controls

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

Personal protective equipment

**Eye/face protection Skin and body protection**Tightly fitting safety goggles.
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 stateliquidAppearanceclearAromaCoconutColorcolorless

No information available

**Property Values** Method

No information available pН Melting/freezing point No information available

Boiling point/boiling range FCC Method Flash Point 28 °C / 82 °F Closed cup **Evaporation rate** FCC Method

Flammability (solid, gas) 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

Relative density Specific Gravity @ 25C 0.9371 - 0.9571 FCC Method Specific Gravity @ 20C 0.9401 - 0.9601 FCC Method

**Refractive Index** 1.3568 - 1.3768 FCC Method

Water solubility No information available Solubility in other solvents No information available

Partition coefficient: n-octanol/water No information available **Autoignition temperature** No information available

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

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

9.2. Other information

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

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

6,215.00 mg/kg ATEmix (oral) 66,901.07 mg/l ATEmix (inhalation-dust/mist)

**Unknown Acute Toxicity** 

99.475999% of the mixture consists of ingredient(s) of unknown toxicity.

44.416999 % of the mixture consists of ingredient(s) of unknown acute oral toxicity. 99.475999 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

99.475999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas). 99.475999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor). 50.390899 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

#### Oral LD50

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
ETHYL ALCOHOL	7060 mg/kg (Rat)		124.7 mg/L (Rat) 4 h
CITRIC ACID	3000 mg/kg (Rat)		

Skin corrosion/irritation No information available.

Eye damage/irritation No information available.

Sensitization No information available.

No information available. **Germ Cell Mutagenicity** 

Carcinogenicity No information available.

Reproductive toxicity No information available.

Specific target organ systemic

No information available. toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

No information available.

**Target Organ Effects** Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system,

Skin.

**Aspiration hazard** No information available.

## **Section 12: ECOLOGICAL INFORMATION**

#### 12.1. Toxicity

**Ecotoxicity** Toxic to aquatic life

44% 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
ETHYL ALCOHOL	-	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	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
METHYL N-AMYL KETONE FCC (2-Heptanone)	-	126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through	-

## 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

No information available.

Chemical Name	log Pow	
ETHYL ALCOHOL	-0.32	
METHYL N-AMYL KETONE FCC (2-Heptanone)	1.98	

#### 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

ICAO/IATA

**14.1 UN/ID No** 1197

14.2 Proper shipping name EXTRACTS, FLAVOURING, LIQUID

14.3 Hazard class 3 14.4 Packing Group III

14.5 Environmental hazard Not applicable

14.6 Special Provisions None

## **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

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

#### <u>Legend:</u>

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

H302 - Harmful if swallowed

H226 - Flammable liquid and vapor

H332 - Harmful if inhaled

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

Revision Date 01-Jul-2019

Reason for revision: Not applicable.

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

#### 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.

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