



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

Revision Date 19-Mar-2019

Version 5

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

### 1.1. Product identifier

**Product Code(s)** 293ICR  
**Product name** PEANUT BUTTER TYPE, NATURAL & ARTIFICIAL - NUT FREE

**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.  
1371 Brass Mill Rd.  
Suite A  
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/ 703-527-3887 outside US

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

<b>Acute toxicity - Inhalation (Vapors)</b>	Category 4 - (H332)
<b>Specific target organ systemic toxicity (repeated exposure)</b>	Category 1 - (H372)

### 2.2. Label elements

**Product identifier**



### **Hazard Statements**

H332 - Harmful if inhaled

H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

**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
Trade Secret	Listed	-	30-50%	No data available	No data available
Trade Secret	Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 5 (H303)(EFFA)	No data available
BUTYRIC ACID	Present	107-92-6	<1%	Aquatic Acute 3 (H402) (EFFA) Skin Corr. 1B (314) (EFFA) Eye Dam. 1 (H318) (EFFA) Acute Tox. 4 (H302) (EFFA) Flam. Liq. 4 (H227)(EFFA) Skin Corr. 1B (H314)	No data available
Trade Secret	Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 4 (H302) Aquatic Acute 2 (H401) (EFFA) Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 3 (316) (EFFA) Acute Tox. 4 (H302) (EFFA) Flam. Liq. 4 (H227)(EFFA) Acute Tox. 4 (H332)(EFFA) Aquatic Acute 2 (H401) Eye Irrit. 1 (H319) Skin Irrit. 3 (H316) Acute Tox. 4 (H302) Acute Tox. 4 (H332)	No data available
ACETYL PROPIONYL FCC (2,3 PENTANEDIONE)	209-984-8	600-14-6	<1%	No data available	No data available
Trade Secret	Not Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 4 (H302) (EFFA)	No data available
Trade Secret	Listed	-	<1%	Skin Corr. 1C (314) (EFFA) Eye Dam. 1 (H318) (EFFA) Acute Tox. 5 (H303)(EFFA) Acute Tox. 5 (H313)(EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available
2,5 DIMETHYL PYRAZINE	Present	123-32-0	<1%	Acute Tox. 4 (H302) (EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 5 (H303)(EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available
Trade Secret	Not Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 5 (H303)(EFFA)	No data available
Trade Secret	Listed	-	<1%	Skin Irrit. 3 (316) (EFFA)	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 4 (H302) (EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available
Trade Secret	Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	Acute Tox. 4 (H302) (EFFA) Flam. Liq. 3 (H226)(EFFA)	No data available
Trade Secret	Listed	-	<1%	Aquatic Acute 3 (H402) (EFFA)	No data available
Trade Secret	Listed	-	<1%	No data available	No data available
Trade Secret	Listed	-	<1%	Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 2 (315) (EFFA) Acute Tox. 4 (H312)(EFFA)	No data available
Trade Secret	Listed	-	<1%	Skin Sens. 1 (H317) (EFFA) Eye Dam. 1 (H318) (EFFA) Skin Irrit.	No data available

				2 (315) (EFA) Aquatic Chronic 3 (H412) (EFA) Acute Tox. 4 (H302) (EFA) Acute Tox. 3 (H311)(EFA) Flam. Liq. 4 (H227)(EFA) Acute Tox. 4 (H332)(EFA)	
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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

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Ingestion</b>	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**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. For personal protection see section 8.

#### **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	Italy	Portugal	The Netherlands	Finland	Denmark
Trade Secret	-	-	-	TWA: 1 ppm TWA: 4.4 mg/m <sup>3</sup> STEL: 4 ppm STEL: 17.4 mg/m <sup>3</sup> Ceiling: 4 ppm Ceiling: 17.4 mg/m <sup>3</sup>	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Trade Secret	-	-	STEL: 40 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	-	-

**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/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** liquid  
**Appearance** clear  
**Odor** peanut butter  
**Color** yellow

Property	Values	• Method
pH		No information available
Melting/freezing point		No information available
Boiling point/boiling range		FCC Method
Flash Point	25 °C / 77 °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		No information available
Specific Gravity @ 25C	0.9814 - 1.0114	FCC Method
Specific Gravity @ 20C	0.9844 - 1.0144	FCC Method
Refractive Index	1.3923 - 1.4223	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
Explosive properties	No information available	
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.

<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

**Unknown Acute Toxicity****Oral LD50**

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Trade Secret	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.

<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Target Organ Effects</b>	Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Trade Secret	-	-	380: 48 h Daphnia magna mg/L EC50
BUTYRIC ACID	46.7: 72 h Desmodesmus subspicatus mg/L EC50	200: 24 h Lepomis macrochirus mg/L LC50	61.7: 24 h Daphnia magna mg/L EC50
Trade Secret	-	150: 96 h Oryzias latipes mg/L LC50	-
Trade Secret	-	10.6 - 11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static 0.8 - 1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 6.8 - 8.53: 96 h Pimephales promelas mg/L LC50 flow-through 7.5: 96 h Lepomis macrochirus mg/L LC50 static	50: 24 h Daphnia magna mg/L EC50
Trade Secret	2.45: 72 h Desmodesmus subspicatus mg/L EC50	-	-

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

Chemical Name	log Pow
BUTYRIC ACID	0.79
Trade Secret	1.48
Trade Secret	0.34

### 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

Chemical Name	EU - Endocrine Disruptors	EU - Endocrine Disruptors -	Japan - Endocrine Disruptor

	Candidate List	Evaluated Substances	Information
Trade Secret	Group III Chemical	-	-

### 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**

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

**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

**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 19-Mar-2019

Reason for revision: Not applicable.

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.