# SAFETY DATA SHEET.



Version 1.02

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

1.1. Product identifier

Number 718CON

Manufacturer Apex Flavors, Inc.

1371 Brass Mill Rd.

Suite A

Belcamp, MD 21017 (410) 565-6600

Product name PUMPKIN PIE TYPE, NATURAL FLAVOR BLEND (OIL SOLUBLE)

Pure substance/mixture Mixture

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

Recommended Use Not for direct consumption

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

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Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 3
Flammable liquids	Category 3

## 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

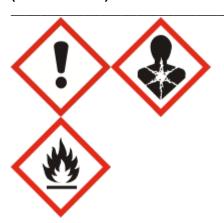
## Symbol(s)

Xi - Irritant

#### R-code(s)

R10 - R43 - R52/53

### 2.2. Label elements



# **Signal Word**

Danger

## **Hazard Statements**

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H350 - May cause cancer

H412 - Harmful to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

# **Precautionary Statements**

P280 - Wear eye protection/ face protection

P321 - Specific treatment (see .? on this label)

P201 - Obtain special instructions before use

P281 - Use personal protective equipment as required

P308 + P313 - IF exposed or concerned: Get medical advice/ attention

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

### 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
ETHYL ALCOHOL	200-578-6	64-17-5		15-20%	F; R11	Flam. Liq. 2 (H225) Eye Irrit. 1 (H319)	No data available
CINNAMIC ALDEHYDE	203-213-9	104-55-2		1-5%	Xn; R21, Xi; R38-43	Aquatic Acute 2 (H401) (EFFA) Skin Sens. 1 (H317) (EFFA) Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 2 (315) (EFFA) Acute Tox. 5 (H303)(EFFA) Acute Tox. 4 (H312)(EFFA)	No data available
ETHYL ACETATE	Present	141-78-6		<1	F; R11 Xi; R36 R66 R67	Eye Irrit. 1 (H319) (EFFA) Flam. Liq. 2 (H225) (EFFA) Eye Irrit. 1 (H319) (EUH066) Flam. Liq. 2 (H225) STOT SE 3 (H336)	No data available

					Eye Irrit. 2 (H319)	
PINENES	201-291-9	80-56-8	<1	R10, XI; R43, N; R50/53, XN; R65;	Aquatic Acute 1 (H400) Skin Sens. 1 (H317) Skin Irrit. 1 (H315) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Acute Tox. 5 (H303) Flam. Liq. 3 (H226)	No data available
ACETYL PROPIONYL FCC (2,3 PENTANEDIONE)	209-984-8	600-14-6	<1		STOT RE 2 (H373) (EFFA) Skin Sens. 1 (H317) (EFFA) Eye Dam. 1 (H318) (EFFA) Skin Irrit. 3 (316) (EFFA) Flam. Liq. 2 (H225) (EFFA) Acute Tox. 5 (H303)(EFFA) Acute Tox. 5 (H313)(EFFA)	No data available
HEXYL ALCOHOL	Present	111-27-3	<1	Xn; R22	Aquatic Acute 3 (H402) (EFFA) Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 3 (316) (EFFA) Acute Tox. 4 (H302) (EFFA) Acute Tox. 4 (H312)(EFFA) Flam. Liq. 3 (H226)(EFFA) Acute Tox. 4 (H302)	No data available
LIMONENE	227-813-5	5989-27-5	<1	R10, XI; R38, XI; R43, N; R50/53;	Aquatic Acute 1 (H400) Skin Sens. 1 (H317) Skin Irrit. 1 (H315) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	No data available
BENZALDEHYDE	202-860-4	100-52-7	<1	XN; R22;	Aquatic Acute 2 (H401) Skin Irrit. 3 (H316) Acute Tox. 4 (H302) Acute Tox. 5 (H313) Flam. Liq. 4 (H227)	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 Immediate medical attention is required Show this material safety data sheet to the doctor

in attendance. If symptoms persist, call a physician

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If

symptoms persist, call a physician 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

**Skin contact** Wash off immediately with plenty of water. Wash off immediately with soap and plenty of

water. 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** Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required.

Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give

anything by mouth to an unconscious person. Call a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician. Immediate medical attention is not

required. Move to fresh air in case of accidental inhalation of vapors or decomposition

products.

Self-protection of the first aider Remove all sources of ignition Use personal protective equipment

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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 May cause sensitization in susceptible persons 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

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. 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

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### 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

Ensure adequate ventilation. 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. 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 tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool,

well-ventilated place. Keep away from heat.

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 established by the region specific regulatory bodies **Exposure limits** 

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
ETHYL ALCOHOL		STEL: 3000 ppm	VME: 1000 ppm VME:	VLA-ED: 1000 ppm	MAK: 500 ppm MAK:
64-17-5		STEL: 5760 mg/m <sup>3</sup>	1900 mg/m <sup>3</sup>	VLA-ED: 1910 mg/m <sup>3</sup>	960 mg/m <sup>3</sup>
		TWA: 1000 ppm TWA:	VLCT: 5000 ppm		Ceiling / Peak: 1000
		1920 mg/m <sup>3</sup>	VLCT: 9500 mg/m <sup>3</sup>		ppm Ceiling / Peak:
					1920 mg/m <sup>3</sup>
					Skin
					TWA: 500 ppm TWA:
ETIN (		0751 100			960 mg/m <sup>3</sup>
ETHYL ACETATE		STEL: 400 ppm	TWA: 400 ppm TWA:	TWA: 400 ppm TWA:	TWA: 400 ppm TWA:
141-78-6		TWA: 200 ppm	1400 mg/m <sup>3</sup>	1460 mg/m <sup>3</sup>	1500 mg/m <sup>3</sup>
					Ceiling / Peak: 800
					ppm Ceiling / Peak: 3000 mg/m <sup>3</sup>
PINENES				VLA-ED: 20 ppm	3000 Hig/III
80-56-8				VLA-ED: 113 mg/m <sup>3</sup>	
HEXYL ALCOHOL				VER ED. 110 mg/m	TWA: 50 ppm
111-27-3					TWA: 210 mg/m <sup>3</sup>
LIMONENE					MAK: 20 ppm MAK:
5989-27-5					110 mg/m <sup>3</sup>
					Ceiling / Peak: 40 ppm
					Ceiling / Peak: 220
					mg/m³
					TWA: 20 ppm TWA:
					110 mg/m <sup>3</sup>

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
ETHYL ALCOHOL 64-17-5		TWA: 1000 ppm	Skin STEL: 1900 mg/m <sup>3</sup> TWA: 260 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 1300 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
			1	STEL: 2500 mg/m <sup>3</sup>	
ETHYL ACETATE 141-78-6		TWA: 400 ppm		TWA: 300 ppm TWA: 1100 mg/m³ STEL: 500 ppm STEL: 1800 mg/m³	TWA: 150 ppm TWA: 540 mg/m <sup>3</sup>
PINENES 80-56-8		TWA: 20 ppm			
LIMONENE 5989-27-5				TWA: 25 ppm TWA: 140 mg/m³ STEL: 50 ppm STEL: 280 mg/m³	
BENZALDEHYDE 100-52-7				TWA: 1 ppm TWA: 4.4 mg/m³ STEL: 4 ppm STEL: 17.4 mg/m³ Ceiling: 4 ppm Ceiling: 17.4 mg/m³	

Chemical Name	Austria	Sweden -	Switzerland	Poland	Norway
		Occupational			
		Exposure Limits -			

		TLVs (LLVs)			
ETHYL ALCOHOL 64-17-5	STEL 2000 ppm STEL 3800 mg/m <sup>3</sup>	500 ppm NGV 1000 mg/m <sup>3</sup> NGV	STEL: 1000 ppm STEL: 1920 mg/m <sup>3</sup>	NDS: 1900 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup>
04-17-5	MAK: 1000 ppm MAK: 1900 mg/m <sup>3</sup>	ilig/ilis NGV	MAK: 500 ppm MAK: 960 mg/m <sup>3</sup>		STEL: 625 ppm STEL: 1187.5 mg/m <sup>3</sup>
ETHYL ACETATE 141-78-6	STEL 600 ppm STEL 2100 mg/m³ TWA: 300 ppm TWA: 1050 mg/m³	150 ppm NGV 500 mg/m³ NGV	STEL: 800 ppm STEL: 2800 mg/m³ TWA: 400 ppm TWA: 1400 mg/m³	STEL: 600 mg/m <sup>3</sup> TWA: 200 mg/m <sup>3</sup>	TWA: 150 ppm TWA: 550 mg/m³ STEL: 187.5 ppm STEL: 687.5 mg/m³
PINENES 80-56-8		25 ppm NGV 150 mg/m³ NGV			TWA: 25 ppm TWA: 140 mg/m³ Skin STEL: 37.5 ppm STEL: 175 mg/m³
LIMONENE 5989-27-5			STEL: 40 ppm STEL: 220 mg/m³ MAK: 20 ppm MAK: 110 mg/m³		TWA: 25 ppm TWA: 140 mg/m³ STEL: 37.5 ppm STEL: 175 mg/m³
BENZALDEHYDE 100-52-7				NDSCh: 40 mg/m <sup>3</sup> NDS: 10 mg/m <sup>3</sup>	

Component	Ireland
ETHYL ALCOHOL	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
64-17-5 ( 15-20% )	· ·
ETHYL ACETATE	TWA: 200 ppm
141-78-6 ( <1 )	STEL: 400 ppm

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 Antistatic boots Wear fire/ flame resistant/ retardant clothing Impervious gloves Long

sleeved clothing Chemical resistant apron

**Respiratory protection** 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 Do not allow material to contaminate ground water system

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# 9.1. Information on basic physical and chemical properties

Physical stateliquidAppearanceclearOdorpumpkin pie spiceColoramber

Property Values Method

pH No information available

No information available
No information available

Melting/freezing pointNo information availableBoiling point/boiling rangeFCC Method

Flash Point 41 °C / 105 °F Closed cup Evaporation rate FCC Method

Flammability (solid, gas)

Flammability Limits in Air

No information available
No information available

Upper flammability limit lower flammability limit

Vapor pressure mm Hg 20°CNo information availableVapor densityNo information available

Relative density

Specific Gravity @ 25C

0.9095 - 0.9392

No information available
FCC Method

Specific Gravity @ 25C 0.9095 - 0.9392 FCC Method Specific Gravity @ 20C 0.9125 - 0.9422 FCC Method Refractive Index 1.4203 - 1.4503 FCC Method

Water solubility
Partition coefficient: n-octanol/water

No information available
No information available

Autoignition temperatureNo information availableDecomposition temperatureNo information availableViscosity, dynamicNo information available

Explosive properties

No information available

Oxidizing Properties

No information available

9.2. Other information

VOC Content(%) 20.65198

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** 

Inhalation There is no data available for this product

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

1.606366% of the mixture consists of ingredient(s) of unknown toxicity **Acute toxicity** 

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

5,265.00 mg/kg Oral

Inhalation

Skin corrosion/irritation Eye damage/irritation Sensitization

**Germ Cell Mutagenicity** 

Carcinogenicity

No information available No information available

No information available No information available 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 system Eyes Liver Reproductive system Respiratory system Skin

**Aspiration hazard** No information available

# 12. ECOLOGICAL INFORMATION

12.1. Toxicity

**Ecotoxicity effects** Harmful to aquatic organisms, may cause long-term adverse effects in 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
ETHYL ACETATE	3300: 48 h Desmodesmus subspicatus mg/L EC50	220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L	560: 48 h Daphnia magna mg/L EC50 Static

	LC50 semi-static	
PINENES	0.28: 96 h Pimephales promelas mg/L LC50 static	41: 48 h Daphnia magna mg/L LC50
HEXYL ALCOHOL	89.7 - 106: 96 h Pimephales promelas mg/L LC50 flow-through 144: 96 h Brachydanio rerio mg/L LC50 static	201: 24 h Daphnia magna mg/L EC50
LIMONENE	0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	
BENZALDEHYDE	0.8-1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 10.6-11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static 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

# 12.2. Persistence and degradability

No information available

## 12.3. Bioaccumulative potential

No information available

Chemical Name	log Pow
ETHYL ALCOHOL	-0.32
CINNAMIC ALDEHYDE	2.22
ETHYL ACETATE	0.6
PINENES	4.1
HEXYL ALCOHOL	2.03
BENZALDEHYDE	1.48

# 12.4. Mobility in soil

No information available

## 12.5. Results of PBT and vPvB assessment

# 12.6. Other adverse effects

Endocrine Disruptor Information .? is a suspected endocrine disruptor

# 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

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application

for which the product was used

# 14. TRANSPORT INFORMATION

**DOT/ADR**Not regulated (If shipped in NON BULK packaging by ground transport)

**UN/ID No** 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Hazard class 3
Packing Group III
ERG Code 127

IMDG / IMO

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Hazard class 3 UN/ID No 1197 Packing Group III

ICAO/IATA

**UN/ID No** 1197

Proper shipping name EXTRACTS, FLAVOURING, LIQUID

Hazard class 3
Packing Group III

# 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
ETHYL ALCOHOL 64-17-5	Hazard Class 1
ETHYL ACETATE 141-78-6	Hazard Class 1
ACETYL PROPIONYL FCC (2,3 PENTANEDIONE) 600-14-6	Hazard Class 1
HEXYL ALCOHOL 111-27-3	Hazard Class 1
BENZALDEHYDE 100-52-7	Hazard Class 2

#### **International Inventories**

All of the components in the product are on the following Inventory lists: No information available.

TSCA EINECS/ELINCS DSL/NDSL PICCS ENCS IECSC AICS KECL -

#### Legend

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**

### **Risk Combination Phrases**

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

H401 - Toxic to aquatic life H316 - Causes mild skin irritation H302 - Harmful if swallowed H313 - May be harmful in contact with skin H227 - Combustible liquid H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H303 - May be harmful if swallowed H312 - Harmful in contact with skin H402 - Harmful to aquatic life H226 - Flammable liquid and vapor H225 - Highly flammable liquid and vapor H336 - May cause drowsiness or dizziness H400 - Very toxic to aquatic life H315 - Causes skin irritation H304 - May be fatal if swallowed and enters airways H410 - Very toxic to aquatic life with long lasting effects H373 - May cause damage to organs (a,b,c) through prolonged or repeated exposure if inhaled H318 - Causes serious eye damage EUH066 - Repeated exposure may cause skin dryness or cracking

Revision Date 02-Nov-2017

Revision Note Not applicable.

Revision# 1.02

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.

# Disclaimer

Food ingredients that are safe to be consumed in food products may pose hazards if not handled properly. This product is intended to be used in food products and, not intended to be consumed in its present form. The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.