APEX FLAVORS, INC.

SAFETY DATA SHEET.

Version 1.01

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

1.1. Product identifier

Number 732CBD, 732CON

Manufacturer

Apex Flavors, Inc.
1361 Brass Mill Rd
Suite E
Belcamp, MD 21017
410-565-6600

Product name STRAWBERRY 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/ Outside US Chemtel 813-248-0585

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Acute oral toxicity	Category 5
Acute inhalation toxicity - dust/mist	Category 4
Carcinogenicity	Category 1A
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

R-code(s)
R10

2.2. Label elements

Signal Word
Danger

Hazard Statements
H303 - May be harmful if swallowed
H332 - Harmful if inhaled
H350 - May cause cancer

H226 - Flammable liquid and vapor

Precautionary Statements
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 %	Classification 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		1-5%	F; R11	Flam. Liq. 2 (H225) Eye Irrit. 1 (H319)	No data available
BENZYL ALCOHOL	202-859-9	100-51-6		1-5%	Xn; R20/22	Acute Tox. 5 (H333) Acute Tox. 4 (H302)	No data available
ACETALDEHYDE	200-836-8	75-07-0		<1	F+; R12 Xi; R36/37 Carc.Cat.3; R40	Carc. 2 (H351) (EFFA) Eye Irrit. 1 (H319) (EFFA) Flam. Liq. 1 (H224) (EFFA) Flam. Liq. 1 (H224) STOT SE 3 (H335) Carc. 2 (H351) Eye Irrit. 2 (H319)	No data available
TRANS-2-HEXENAL	229-778-1	6728-26-3		<1	-	Aquatic Acute 2 (H401) (EFFA) Skin Sens. 1 (H317) (EFFA) Skin Irrit. 3 (316) (EFFA) Aquatic Chronic 2 (H411) (EFFA) Acute Tox. 4 (H302) (EFFA) Acute Tox. 3 (H311)(EFFA) Flam. Liq. 3	No data available

						(H226)(EFFA)	
ISOAMYL ACETATE	Present	123-92-2		<1	R10 R66	Aquatic Acute 3 (H402) (EFFA) (EUH066) Flam. Liq. 3 (H226)	No data available
HEXANOIC ACID (CAPROIC ACID)	Present	142-62-1		<1	-	Aquatic Acute 3 (H402) (EFFA) Skin Corr. 1C (314) (EFFA) Eye Dam. 1 (H318) (EFFA) Acute Tox. 5 (H303)(EFFA) Acute Tox. 3 (H311)(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) Eye Irrit. 2 (H319)	No data available
BENZALDEHYDE	Present	100-52-7		<1	Xn; R22	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
FURFURAL	Present	98-01-1		<1	Xn; R21 T; R23/25 Xi; R36/37/38 Carc.Cat.3; R40	Acute Tox. 3 (H301) Carc. 2 (H351) (EFFA) Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 2 (315) (EFFA) Acute Tox. 3 (H301) (EFFA) Acute Tox. 4 (H312)(EFFA) Flam. Liq. 4 (H227)(EFFA) Acute Tox. 3 (H331)(EFFA) Carc. 2 (H351) Eye Irrit. 1 (H319) Skin Irrit. 2 (H315) Acute Tox. 3 (H301) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) STOT SE 3 (H335) Carc. 2 (H351) Acute Tox. 3 (H331) Eye Irrit. 2 (H319)	No data available
BENZYL ACETATE	Present	140-11-4		<1	-	Aquatic Acute 2 (H401) (EFFA) Skin Irrit. 3 (316) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 4 (H227)(EFFA) Aquatic Acute 2 (H401) Skin Irrit. 3 (H316) Acute Tox. 5 (H303)	No data available
DIMETHYL SULFIDE	200-846-2	75-18-3		<1	-	Skin Irrit. 3 (316) (EFFA) Acute Tox. 3 (H301) (EFFA) Flam. Liq. 2 (H225) (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	Immediate medical attention is required Show this material safety data sheet to the doctor in attendance. 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	Wash off immediately with 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	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	Remove all sources of ignition 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 CO_2 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

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

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. 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

To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. 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. 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 in properly labeled containers. Keep tightly closed in a dry and cool place. 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

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
ETHYL ALCOHOL 64-17-5		STEL: 3000 ppm STEL: 5760 mg/m³ TWA: 1000 ppm TWA: 1920 mg/m³	VME: 1000 ppm VME: 1900 mg/m³ VLCT: 5000 ppm VLCT: 9500 mg/m³	VLA-ED: 1000 ppm VLA-ED: 1910 mg/m³	MAK: 500 ppm MAK: 960 mg/m³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m³ Skin TWA: 500 ppm TWA: 960 mg/m³
ACETALDEHYDE 75-07-0		STEL: 50 ppm STEL: 92 mg/m³ TWA: 20 ppm TWA: 37 mg/m³	TWA: 100 ppm TWA: 180 mg/m³	STEL: 25 ppm STEL: 46 mg/m³	TWA: 50 ppm TWA: 91 mg/m³ Ceiling / Peak: 50 ppm Ceiling / Peak: 91 mg/m³ Skin
ISOAMYL ACETATE 123-92-2	TWA 50 ppm TWA 270 mg/m³ STEL 100 ppm STEL 540 mg/m³	TWA: 50 ppm TWA: 270 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 540 mg/m³	STEL: 100 ppm STEL: 540 mg/m³ TWA: 50 ppm TWA: 270 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ Ceiling / Peak: 50 ppm Ceiling / Peak: 270 mg/m³
ETHYL ACETATE 141-78-6		STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 1400 mg/m³	TWA: 400 ppm TWA: 1460 mg/m³	TWA: 400 ppm TWA: 1500 mg/m³ Ceiling / Peak: 800 ppm Ceiling / Peak: 3000 mg/m³
FURFURAL 98-01-1		STEL: 5 ppm STEL: 20 mg/m³	STEL: 2 ppm STEL: 8 mg/m³	S* TWA: 2 ppm	Skin

		TWA: 2 ppm TWA: 8 mg/m³ Skin		TWA: 8 mg/m³	
BENZYL ACETATE 140-11-4				TWA: 10 ppm TWA: 62 mg/m³	
DIMETHYL SULFIDE 75-18-3				VLA-ED: 10 ppm	

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
ETHYL ALCOHOL 64-17-5		TWA: 1000 ppm	Skin STEL: 1900 mg/m³ TWA: 260 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 1300 ppm STEL: 2500 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³
BENZYL ALCOHOL 100-51-6				TWA: 10 ppm TWA: 45 mg/m³	
ACETALDEHYDE 75-07-0		Ceiling: 25 ppm	STEL: 92 mg/m³ TWA: 37 mg/m³	STEL: 25 ppm STEL: 46 mg/m³	Ceiling: 25 ppm Ceiling: 45 mg/m³
ISOAMYL ACETATE 123-92-2	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 540 mg/m³	STEL: 100 ppm STEL: 540 mg/m³ TWA: 50 ppm	STEL: 530 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 540 mg/m³	TWA: 50 ppm TWA: 271 mg/m³
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/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	
FURFURAL 98-01-1		TWA: 2 ppm		TWA: 2 ppm TWA: 8 mg/m³ STEL: 5 ppm STEL: 20 mg/m³ Skin	TWA: 2 ppm TWA: 7.9 mg/m³ Skin
BENZYL ACETATE 140-11-4		TWA: 10 ppm			TWA: 10 ppm TWA: 61 mg/m³
DIMETHYL SULFIDE 75-18-3		TWA: 10 ppm			

Chemical Name	Austria	Sweden - Occupational Exposure Limits - TLVs (LLVs)	Switzerland	Poland	Norway
ETHYL ALCOHOL 64-17-5	STEL 2000 ppm STEL 3800 mg/m³ MAK: 1000 ppm MAK: 1900 mg/m³	500 ppm NGV 1000 mg/m³ NGV	STEL: 1000 ppm STEL: 1920 mg/m³ MAK: 500 ppm MAK: 960 mg/m³	NDS: 1900 mg/m³	TWA: 500 ppm TWA: 950 mg/m³ STEL: 625 ppm STEL: 1187.5 mg/m³
BENZYL ALCOHOL 100-51-6				NDS: 240 mg/m³	
ACETALDEHYDE 75-07-0	STEL 50 ppm STEL 90 mg/m³ TWA: 50 ppm TWA: 90 mg/m³ Ceiling 50 ppm Ceiling 90 mg/m³	25 ppm NGV 45 mg/m³ NGV	STEL: 50 ppm STEL: 90 mg/m³ TWA: 90 mg/m³ TWA: 50 ppm	: 45 mg/m³ TWA: 5 mg/m³	TWA: 25 ppm TWA: 45 mg/m³ STEL: 37.5 ppm STEL: 67.5 mg/m³
ISOAMYL ACETATE 123-92-2	STEL 100 ppm STEL 540 mg/m³ TWA: 50 ppm TWA: 270 mg/m³	50 ppm NGV 270 mg/m³ NGV	TWA: 50 ppm TWA: 260 mg/m³	STEL: 500 mg/m³ TWA: 250 mg/m³	TWA: 50 ppm TWA: 260 mg/m³ STEL: 75 ppm STEL: 325 mg/m³
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/m³ TWA: 200 mg/m³	TWA: 150 ppm TWA: 550 mg/m³ STEL: 187.5 ppm STEL: 687.5 mg/m³
BENZALDEHYDE 100-52-7				STEL: 40 mg/m³ TWA: 10 mg/m³	

FURFURAL 98-01-1	Skin TWA: 5 ppm TWA: 20 mg/m³	2 ppm NGV 8 mg/m³ NGV	Skin TWA: 2 ppm TWA: 8 mg/m³	STEL: 25 mg/m³ TWA: 10 mg/m³	TWA: 2 ppm TWA: 8 mg/m³ Skin STEL: 4 ppm STEL: 16 mg/m³
DIMETHYL SULFIDE 75-18-3		1 ppm NGV			

Component	Ireland
ETHYL ALCOHOL 64-17-5 (1-5%)	TWA: 1000 ppm TWA: 1900 mg/m³
ACETALDEHYDE 75-07-0 (<1)	TWA: 25 ppm TWA: 45 mg/m³ STEL: 25 ppm STEL: 45 mg/m³
ISOAMYL ACETATE 123-92-2 (<1)	TWA: 50 ppm TWA: 260 mg/m³ STEL: 100 ppm STEL: 520 mg/m³
ETHYL ACETATE 141-78-6 (<1)	TWA: 200 ppm STEL: 400 ppm
FURFURAL 98-01-1 (<1)	TWA: 2 ppm TWA: 8 mg/m³ STEL: 5 ppm STEL: 20 mg/m³ Skin
DIMETHYL SULFIDE 75-18-3 (<1)	TWA: 20 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 Impervious gloves Wear fire/ flame resistant/ retardant clothing 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 No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	liquid	**Appearance**	clear
Odor	typical of fresh strawberry	**Color**	light yellow

Property	Values	Method
pH		No information available
Melting/freezing point		No information available
Boiling point/boiling range		FCC Method
Flash Point	47 °C / 117 °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	0.9133 - 0.9433	FCC Method
Specific Gravity @ 20C	0.9163 - 0.9463	FCC Method
Refractive Index	1.4415 - 1.4715	FCC Method
Water solubility		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, dynamic		No information available

Explosive properties	No information available
Oxidizing Properties	No information available

9.2. Other information

VOC Content(%)	8.4135
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

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

Acute toxicity 46.013% 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 4,988.00 mg/kg
Dermal 23,731.00 mg/kg

Inhalation
Mist 1.55 mg/l
Vapor 339.00 mg/l

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

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

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
BENZYL ALCOHOL	35: 3 h Anabaena variabilis mg/L	10: 96 h Lepomis macrochirus mg/L	23: 48 h water flea mg/L EC50

	EC50	LC50 static 460: 96 h Pimephales promelas mg/L LC50 static	
ACETALDEHYDE	237 - 249: 120 h Nitzschia linearis mg/L EC50	28.0 - 34.0: 96 h Pimephales promelas mg/L LC50 flow-through 53: 96 h Lepomis macrochirus mg/L LC50 static 1.8 - 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 39.8 - 46.8: 96 h Pimephales promelas mg/L LC50 static	3.64 - 6.15: 48 h Daphnia magna mg/L EC50 Static 48.3: 48 h Daphnia magna mg/L EC50
HEXANOIC ACID (CAPROIC ACID)		306 - 334: 96 h Pimephales promelas mg/L LC50 flow-through 88: 96 h Pimephales promelas mg/L LC50 static	22: 24 h water flea mg/L EC50
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 LC50 semi-static	560: 48 h Daphnia magna mg/L EC50 Static
BENZALDEHYDE		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
FURFURAL		13.4 - 19.3: 96 h Pimephales promelas mg/L LC50 static 16.79 - 26.35: 96 h Pimephales promelas mg/L LC50 flow-through	29: 24 h Daphnia magna mg/L EC50
DIMETHYL SULFIDE			23: 48 h Daphnia pulex 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
BENZYL ALCOHOL	1.1
ACETALDEHYDE	0.5
HEXANOIC ACID (CAPROIC ACID)	1.92
ETHYL ACETATE	0.6
BENZALDEHYDE	1.48
FURFURAL	0.67
BENZYL ACETATE	1.96

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

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
FURFURAL	Group III Chemical		

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

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
BENZYL ALCOHOL 100-51-6	Hazard Class 1
ACETALDEHYDE 75-07-0	Hazard Class 1
ISOAMYL ACETATE 123-92-2	Hazard Class 1
HEXANOIC ACID (CAPROIC ACID) 142-62-1	Hazard Class 1
ETHYL ACETATE 141-78-6	Hazard Class 1
BENZALDEHYDE 100-52-7	Hazard Class 2
FURFURAL 98-01-1	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
R20/22 - Harmful by inhalation and if swallowed

Full text of H-Statements referred to under sections 2 and 3
H333 - May be harmful if inhaled H302 - Harmful if swallowed H401 - Toxic to aquatic life H319 - Causes serious eye irritation H227 - Combustible liquid H332 - Harmful if inhaled H316 - Causes mild skin irritation H402 - Harmful to aquatic life H226 - Flammable liquid and vapor H303 - May be harmful if swallowed H225 - Highly flammable liquid and vapor H336 - May cause drowsiness or dizziness H318 - Causes serious eye damage H311 - Toxic in contact with skin H317 - May cause an allergic skin reaction H411 - Toxic to aquatic life with long lasting effects H351 - Suspected of causing cancer if inhaled H224 - Extremely flammable liquid and vapor H335 - May cause respiratory irritation H301 - Toxic if swallowed H312 - Harmful in contact with skin H331 - Toxic if inhaled H315 - Causes skin irritation EUH066 - Repeated exposure may cause skin dryness or cracking

Revision Date	01-Feb-2019
Revision Note	Not applicable.
Revision#	1.01

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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