



FLORAPLEX TERPENES

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This safety data sheet complies with the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Product code AMP-BBD

Product name BLUEBERRY DONUT TYPE FL N&A OS

Issue date 08-Dec-2020

Revision date 08-Dec-2020

Version 3

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product name BLUEBERRY DONUT TYPE FL N&A OS

Other means of identification

Product code AMP-BBD

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Industry Use.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

FLPX LLC

324 Airport Industrial Dr

Ypsilanti, Michigan 48198-7812

(800) 330 - 3233

buyterpenesonline.com

Emergency telephone number

Company Phone Number

Chemtrec: 1-800-424-9300 use CHEMTREC instead of an Emergency Number.

Emergency telephone

2. Hazards Identification

Classification

This mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label Elements

EMERGENCY OVERVIEW

Hazard statements

None

Appearance Clear

Physical state Liquid

Odor Characteristic odor

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

Get medical advice/attention if you feel unwell.

AMP-BBD

Precautionary Statements - Storage

Store in accordance with local regulations.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)

Other Information

96.86998 % of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

* 100% of the composition has been withheld as a trade secret.

4. First Aid Measures

Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water. Wash off immediately with plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media

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

Unsuitable extinguishing media .

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and inhalation of vapors. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

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 Pick up and transfer to properly labeled containers.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation, especially in confined areas. Wash thoroughly after handling. When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep locked up and out of reach of children.

Incompatible materials None known based on information supplied.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl acetate 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³
Dimethyl sulfide 75-18-3	TWA: 10 ppm	-	-

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Skin and Body Protection Avoid contact with skin. Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations. Ensure adequate ventilation, especially in confined areas.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. When using do not eat, drink or smoke. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Clear	Odor	Characteristic odor
Color	Colorless to Pale Yellow	Odor threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting point / freezing point	Not applicable	
Boiling point / boiling range	No data available	
Flash Point	> 100 °C / > 212 °F	
Evaporation Rate	Not applicable	
Flammability (solid, gas)	Not applicable	
Flammability Limit in Air		
Upper flammability limit:	Not applicable	
Lower flammability limit:	Not applicable	
Vapor pressure	Not applicable	
Vapor Density	Not applicable	
Specific gravity	Not applicable	
Water solubility	Not applicable	
Solubility in other solvents	Not applicable	
Partition coefficient	Not applicable	
Autoignition Temperature	Not applicable	
Decomposition temperature	Not applicable	
Kinematic viscosity	No data available	
Dynamic viscosity	Not applicable	
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	

Other Information

Softening point	not applicable
Molecular weight	Not applicable
VOC content (%)	Not applicable
Density	Not applicable
Bulk Density	Not applicable

10. Stability and Reactivity

~ No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

AMP-BBD

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Ingestion	No data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	Not classified.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards above the threshold value.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 96.86998 % of the mixture consists of ingredient(s) of unknown toxicity

12. Ecological Information

Ecotoxicity

97.9899 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Coconut Oil, Fractionated 65381-09-1	50: 96 h Desmodesmus subspicatus mg/L EC50 100: 72 h Desmodesmus subspicatus mg/L EC50	10000: 96 h Brachydanio rerio mg/L LC50		17: 48 h Daphnia magna mg/L EC50
Ethyl-2-Methyl-Butyrate 7452-79-1		96hr LC50 - >100mg/L (Cyprinus carpio)		48hr EC50/LC50 - 61.6 mg/L (Daphnia magna)
Ethyl Vanillin 121-32-4		96hr LC50 - 19.283mg/L		48hr EC50 - 36.79mg/L, 504hr NOEC - 5.9mg/L
Ethyl acetate 141-78-6	3300: 48 h Desmodesmus subspicatus mg/L EC50	352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 220 - 250: 96 h Pimephales		560: 48 h Daphnia magna mg/L EC50 Static

AMP-BBD

		promelas mg/L LC50 flow-through		
Ethyl butyrate 105-54-4		96hr LC50 - 100 mg/L (Danio rerio)		48hr EC50/LC50 - 116.6 mg/L (Daphnia magna)
Ethyl Maltol 4940-11-8		96hr LC50 - >85 mg/L (Oncorhynchus mykiss)		48hr EC50/LC50 - 27 mg/L (Daphnia magna)
Linalool 78-70-6	88.3: 96 h Desmodesmus subspicatus mg/L EC50	96hr LC50 - 27.8mg/L (Salmo gairdneri)		48hr EC50 - 59mg/L (Daphnia magna)
alpha-Terpineol 98-55-5		96hr LC50 - 62 to 80 mg/L (Danio rerio)		48hr EC50 - 73 mg/l (Daphnia magna)
Heliotropine 120-57-0		LC50 - 2.5 mg/l (Cyprinus carpio)		EC50/LC50 - 52 mg/L (Daphnia magna)
Butyric acid 107-92-6	46.7: 72 h Desmodesmus subspicatus mg/L EC50	200: 24 h Lepomis macrochirus mg/L LC50	EC50 = 10.1 mg/L 15 min EC50 = 16.9 mg/L 15 min EC50 = 16.9 mg/L 5 min EC50 = 17.2 mg/L 25 min	61.7: 24 h Daphnia magna mg/L EC50
Caproic Acid 142-62-1		88: 96 h Pimephales promelas mg/L LC50 static 306 - 334: 96 h Pimephales promelas mg/L LC50 flow-through		22: 24 h water flea mg/L EC50
Dimethyl sulfide 75-18-3				23: 48 h Daphnia pulex mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. Transport Information

DOT

Not regulated

15. Regulatory Information

US Federal Regulations

SARA 313

AMP-BBD

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Butyric acid 107-92-6	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ethyl acetate 141-78-6	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Butyric acid 107-92-6			RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

U.S. State Right-to-Know Regulations

This product contains substance(s) regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Ethyl acetate 141-78-6	X	X	X	
Ethyl butyrate 105-54-4	X	X	X	
Butyric acid 107-92-6	X	X	X	X
Caproic Acid 142-62-1	X	X	X	
Isopropyl butyrate 638-11-9	X			
Dimethyl sulfide 75-18-3	X	X	X	

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other Information

Revision date 08-Dec-2020

Revision note

No information available

Disclaimer

This material has not been tested or proven safe for inhalation. With this document, FLPX LLC, only attests to the safety of the product when used in the appropriate and suitable fragrance/flavor industry application. Classification and labeling according to the IFRA/IOFI Labeling Manual 2019.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage,

AMP-BBD

transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet