

Material Safety Data Sheet

Product Name: HF Very Berry Cranberry 20mg/g e-

Juice Revision Date: 05-Jan-2023

SDS No: MSDS HF512495-20

Date of initial preparation: 05-Jan-2023

Version: 1.0

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: HF Very Berry Cranberry 20mg/g e-Juice

Article number: HF512495-20

Sample batch: 20230105

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

Application of the substance / the preparation: Electronic Atomized E-Liquid

1.3 Details of the supplier of the safety data sheet

Manufacturer: DONGGUAN HONGFU BIOTECHNOLOGY CO., LTD

Address: Room 301, Building 1, NO.10, Yunlian 9th Street, Dalang Town, Dongguan City, Guangdong Province

TEL: 0769-83001870

1.4 Company Logo: DONGGUAN HONGFU BIOTECHNOLOGY CO., LTD

2. Hazards identification

Information concerning particular hazards for human and environment: The product has been classified as dangerous according to GB/T16483, GB/T17519 and Regulation (EC) No. 1272/2008.

Pictogram and signal word:



Danger

Hazard statement(s):

Toxic if swallowed

Causes skin irritation

Causes serious eye irritation

May causes respiratory irritation

Precautionary statement(s):

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store in a well-ventilated place. Keep cool.

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

3. Composition/information on ingredient

Component	% Weight	CAS No.	EC No.
Propylene glycol	46.48	57-55-6	200-338-0
Glycerol	40.00	56-81-5	200-289-5
N,2,3-Trimethyl-2-isopropylbutamide	2.00	51115-67-4	256-974-4
Nicotine	2.00	54-11-5	200-193-3
Benzoic acid	2.00	65-85-0	200-618-2
Triacetin	1.19	102-76-1	203-051-9
Ethyl 2-methylbutyrate	0.87	7452-79-1	231-225-4
Ethyl butyrate	0.60	105-54-4	203-306-4
Raspberry ketone	0.50	5471-51-2	226-806-4
Leaf alcohol	0.47	928-96-1	213-192-8
Isoamyl acetate	0.45	123-92-2	204-662-3
Acetic acid	0.42	64-19-7	200-580-7
Ethyl maltol	0.41	4940-11-8	225-582-5
Vanillin	0.38	121-33-5	204-465-2
Benzyl alcohol	0.36	100-51-6	202-859-9
Vanillin PGA	0.31	68527-74-2	271-279-6
2-Methyl butyric acid	0.25	116-53-0	204-145-2
Furaneol	0.22	3658-77-3	222-908-8
DL-Menthol	0.18	89-78-1	201-939-0
Maltol	0.17	118-71-8	204-271-8
gamma-Decalactone	0.16	706-14-9	211-892-8
Ethyl acetate	0.14	141-78-6	205-500-4
cis-3-Hexenyl Acetate	0.13	3681-71-8	222-960-1
Methyl cinnamate	0.11	103-26-4	203-093-8
Lactic acid	0.10	50-21-5	200-018-0
Butyric acid	0.10	107-92-6	203-532-3

4. First aid measures

4.1 Skin contact: Wash with large quantities of water (or water + soap) remove contaminated clothes.

4.2 Eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

4.3 Ingestion: Rinse mouth with water. Obtain immediate medical advice. Do not induce vomiting.

4.4 Inhalation: Remove the person to fresh air and keep at rest. Obtain medical advice immediately.

5. Firefighting measures

5.1 Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture: Not available

5.3 Protective equipment: No special measures required.

5.4 Advice for firefighters: Not available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid breathing vapour, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections for disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Ensure good ventilation/exhaustion at the workplace. Keep away from sources of ignition. No smoking.

7.2 Conditions for safe storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Store protected from lighting.

8. Exposure controls/personal protection

8.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work day. Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.2 Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

8.3 Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.4 Ventilation: Provide adequate ventilation, use local exhaust fan if necessary.

9. Physical and chemical properties

·Form:	Clear liquid
·Colour:	Light yellow
·Odour:	Tobacco\Sweet\Nutty
·Boiling point/Boiling range:	Not available
·Freezing point:	Not available
· Flash point:	> 100°C
· Flammability (solid, gaseous):	Not available

· Ignition temperature:	Not available
· Decomposition temperature:	Not available
· Self-igniting:	Product is not self-igniting.
· Auto-ignition temperature:	Not available
· Danger of explosion:	Product does not present an explosion hazard
· Explosion limits: Lower: Upper:	Not available Not available
· Oxidizing properties	Not available
· Density:	1.1178 ± 0.01 g/mL
· Relative density at 20°C	1.1198 ± 0.01
· Vapour density	Not available
· Evaporation rate	Not available
· Solubility	Easily soluble in water
· pH-value:	5.64 ± 0.50
· Partition coefficient (n-octanol/water):	Not available
Refractive index at 20°C:	1.42-1.47
· Viscosity: Dynamic at 20°C:	Not available
· Critical pressure	Not available
· Critical temperature	Not available
· Heat of combustion	Not available
· Vapour temperature	Not available
· End uses	E-liquid

10. Stability and reactivity

10.1 Reactivity: No decomposition if used according to specifications.

10.2 Chemical stability: Not available

10.3 Possibility of hazardous reactions: Not available

10.4 Conditions to avoid: Not available

10.5 Incompatible materials: Not available

10.6 Hazardous decomposition products: Not available

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity

LD50 values relevant for classification:

57-55-6	Propylene glycol	Oral	LD50	23.9 mg/kg(mouse)
56-81-5	Glycerol	Oral	LD50	25 g/kg (rat)
51115-67-4	N,2,3-Trimethyl-2-isopropylbutamide	Oral	LD50	No Data
54-11-5	Nicotine	Oral	LD50	188 mg/kg(rat)
65-85-0	Benzoic acid	Oral	LD50	2 250 mg/kg (rat)
102-76-1	Triacetin	Oral	LD50	3 000 mg/kg (rat)
7452-79-1	Ethyl 2-methylbutyrate	Oral	LD50	No Data
105-54-4	Ethyl butyrate	Oral	LD50	13 050 mg/kg(rat)

5471-51-2	Raspberry ketone	Oral	LD50	1 320 mg/kg(rat)
928-96-1	Leaf alcohol	Oral	LD50	4 700 mg/kg (rat)
123-92-2	Isoamyl acetate	Oral	LD50	16.6 g/kg(rat)
64-19-7	Acetic acid	Oral	LD50	3 310 mg/kg (rat)
4940-11-8	Ethyl maltol	Oral	LD50	1 150 mg/kg(rat)
121-33-5	Vanillin	Oral	LD50	1 580 mg/kg (rat)
100-51-6	Benzyl alcohol	Oral	LD50	1 620 mg/kg(rat)
68527-74-2	Vanillin PGA	Oral	LD50	No Data
116-53-0	2-Methyl butyric acid	Oral	LD50	1 750 mg/kg(rat)
3658-77-3	Furaneol	Oral	LD50	1 608 mg/kg (mouse)
89-78-1	DL-Menthol	Oral	LD50	3 180 mg/kg(rat)
118-71-8	Maltol	Oral	LD50	1 440 mg/kg (rat)
706-14-9	gamma-Decalactone	Oral	LD50	No Data
141-78-6	Ethyl acetate	Oral	LD50	10 200 mg/kg(rat)
3681-71-8	cis-3-Hexenyl Acetate	Oral	LD50	> 2 000 mg/kg (female rat)
103-26-4	Methyl cinnamate	Oral	LD50	2 610 mg/kg(rat)
50-21-5	Lactic acid	Oral	LD50	3 730 mg/kg (rat)
107-92-6	Butyric acid	Oral	LD50	1 632 mg/kg (rat)

11.2 Primary irritant effect:

On the skin: Irritating effect possible.

On the eye: Irritating effect possible.

Sensitization: Sensitization possible through skin contact.

11.3 Potential health effects:

Skin: No adverse effects expected under ordinary conditions. May cause skin irritation.

Eye: Avoid contact with eyes. May cause eye irritation.

Inhalation: The value of inhaled must not be exceed 4 mL every day for one person. May cause irritation to the respiratory tract.

Ingestion: Extremely large oral dosage may produce gastrointestinal disturbance.

Signs and symptoms of exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

12. Ecological information

12.1 Toxicity: Not available

12.2 Persistence and degradability: If released to air, this material will exist in both the vapor and particulate phases in the atmosphere, it will be degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals and wet or dry deposition. It is not expected to be susceptible to direct photolysis by sunlight.

12.3 Bio-accumulative potential: The potential for bio-concentration of this material in aquatic organisms is low.

12.4 Mobility in soil: If released to soil, this material is expected to have very high mobility, volatilization from soil surfaces is not expected to be important fate process.

12.5 Results of PBT and VPOB assessment:

12.6 Eco-toxicity: This material is not expected toxic to aquatic life

12.7 Additional ecological information:

12.8 General notes:

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13. Disposal considerations

13.1 Waste treatment methods: Flush with water and dilute into the wastewater system. Avoid runoff into storm sewers and ditches which lead to waterways.

Must not be disposed together household garbage. Do not allow product to reach sewage system.

13.2 Contaminated packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

UN Number

IATA, IMDG, Model Regulation None

UN Proper Shipping name

IATA, IMDG, Model Regulation None

Transport hazard class(es)

IATA, IMDG, Model Regulation None

Packing group

IATA, IMDG, Model Regulation None

Environmental hazards

Marine pollutant No

Special precautions for user Not applicable

15. Regulatory information

15.1 This material safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No.	TSCA	EC#	EINECS
Propylene Glycol	57-55-6	Listed	200-338-0	Listed
Glycerol	56-81-5	Listed	200-289-5	Listed

15.2 Chemical safety assessment: A Chemical safety assessment has not been carried out.

16. Other information

This contents and format of this MSDS/SDS are in according with GB / T16483, GB / T17519, Regulation (EC) No. 1272/2008, (EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

This information is based on our present knowledge. However, this does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information was not be applicable.