



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

1.1. Product identifier

Product Identity	Plum Raspberry
Alternate Names	Plum Raspberry
Article number	HF672032-20
Sample batch	20231123BSDS015
Unique Formula Identifier	

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

Intended Uses and Uses Advised Against	See Technical Data Sheet.
--	---------------------------

1.3. Details of the supplier of the safety data sheet

Company Name	DongGuan HongFu Biotechnology Room 301, Building 1, No.10, Yunlian 9th Street, Dalang Town, Dongguan City, Guangdong Province, China
Customer Service:	+86 769 83001870
1.4. Emergency telephone number	
Emergency	
24 hour Emergency Telephone No.	+86 769 83001870

Section 2. Hazard identification of the product

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Acute toxicity(oral), category 3; H301	Toxic if swallowed.
Acute toxicity(dermal), category 4; H312	Harmful in contact with skin.
Acute toxicity(inhalation), category 4; H332	Harmful if inhaled.
Skin sensitizer category 1A; H317	May cause an allergic skin reaction.

2.2. Label elements

According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006



Danger

Hazard statement(s):

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

EUH208: Contains 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-. May produce an allergic reaction.

Precautionary statement(s):

P301+310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician.

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P280 All Wear protective gloves, protective clothing, eye protection, face protection.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P362+364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

Section 3. Composition/information on ingredients

3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS], they are listed below.

Component	% Weight	CAS No.	EC No.	CLP Classification
Propylene glycol	45.98	57-55-6	200-338-0	Substance is not classified as hazardous.
Glycerol	45.00	56-81-5	200-289-5	Substance is not classified as hazardous.
Nicotine benzoate	3.11	88660-53-1	828-490-9	Acute Tox. 2(H300) Acute Tox. 1(H310) Acute Tox. 2(H330) Aquatic Chronic 2(H411)
N,2,3-Trimethyl-2-isopropylbutamide	2.00	51115-67-4	256-974-4	Acute Tox. 4(H302)
Ethyl butyrate	1.14	105-54-4	203-306-4	Flam. Liq. 3(H226) Eye Irrit. 2(H319)

Ethyl 2-methylbutyrate	1.12	7452-79-1	231-225-4	Flam. Liq. 3(H226)
Acetic acid	0.35	64-19-7	200-580-7	Flam. Liq. 3 (H226) Skin Corr. 1A(H314)
Ethyl maltol	0.30	4940-11-8	225-582-5	Acute Tox. 4(H302)
Ethyl acetoacetate	0.27	141-97-9	205-516-1	Not Classified
4-(4-Hydroxyphenyl)-2-butanone	0.26	5471-51-2	226-806-4	Not Classified
4-Hydroxy-2,5-Dimethylfuran-3(2H)-One	0.20	3658-77-3	222-908-8	Acute Tox. 4(H302) Skin Corr. 1B(H314) Skin Sens. 1A(H317)
cis-hex-3-en-1-ol	0.14	928-96-1	213-192-8	Flam. Liq. 3(H226) Eye Irrit. 2(H319)
Vanillin	0.13	121-33-5	204-465-2	Eye Irrit. 2(H319)

Remark: 3.11% Nicotine Benzoate Equals 20 mg/mL Nicotine.

[^]CLP ³¹ Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eye	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.
-----------------	--

Inhalation Harmful if inhaled.

Skin Harmful in contact with skin. May cause an allergic skin reaction.

Ingestion Toxic if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Call a poison center or doctor or physician if you feel unwell. IF SWALLOWED: Rinse mouth. If skin irritation or a rash occurs: Get medical advice or attention. Remove person to fresh air and keep comfortable for breathing. Take off contaminated clothing and wash it before reuse.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Avoid breathing dust, fume, gas, mist, vapors, spray.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Avoid breathing dust, fume, gas, mist, vapors, spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace.

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Dispose of contents or container in accordance with local and national regulations.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

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

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents and acids.

Store locked up.

7.3. Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
56-81-5	Glycerol	ACGIH	TWA: 3 mg/m ³ (respirable) 10 mg/m ³ (mist)
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
57-55-6	Propylene glycol	ACGIH	TWA(Aerosol): 10 mg/m ³
		DNEL Local Exposure	10 mg/m ³
		DNEL Systematic Exposure	168 mg/m ³
		National	No Established Limit
105-54-4	Ethyl butyrate	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	49.3 mg/m ³
		National	No Established Limit
7452-79-1	Ethyl 2-methylbutyrate	ACGIH	No Established Limit

		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	52.08 mg/m ³
		National	No Established Limit
51115-67-4	N,N,2,3-Trimethyl-2-isopropylbutamide	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
88660-53-1	Nicotine benzoate	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 5 mg/m³ ACGIH.

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Protective safety glasses recommended

Skin

Avoid skin contact. Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/ specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
See section 2 for further details. - [Prevention]

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Light Yellow
Odor	Plum Raspberry
Melting point / freezing point	No available information
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	No available information
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	°F °C, Test method: (Open/Close cup)
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	5.41±0.50
Viscosity at 25°C (cSt)	132.67 (100±20) % mPa·s
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	No available information
Relative Density	1.1260±0.01
Vapor Density	No available information
Evaporation rate (Ether = 1)	No available information
Oxidising properties	No available information
Explosive properties	No available information

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No available information

10.4. Conditions to avoid

Excessive heat and open flame.

10.5. Incompatible materials

Strong oxidizing agents and acids.

10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Glycerol - (56-81-5)	27,200.00, Mouse - Category: NA	No data available.	> 5.85, Rat - Category: NA	No data available.	No data available.
Propylene glycol - (57-55-6)	22,000.00, Rat - Category: NA	> 2,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Ethyl butyrate - (105-54-4)	> 2,000.00, Rat - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	No data available.	> 4,000.00, Rat - Category: NA
Ethyl 2-methylbutyrate - (7452-79-1)	> 2,000.00, Rat - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	> 5.70, Rat - Category: NA	No data available.
N,2,3-Trimethyl-2-isopropylbutamide - (51115-67-4)	490.00, Rat - Category: 4	No data available.	No data available.	No data available.	No data available.
Nicotine benzoate - (88660-53-1)	5.00, Rat - Category: 1	50.00, Rabbit - Category: 1	No data available.	0.19, ATE Estimate - Category: 2	No data available.

Carcinogen Data

Based on available data, the classification criteria are not met.

Classification	Category	Hazard Description
Acute toxicity (oral)	3	Toxic if swallowed.
Acute toxicity (dermal)	4	Harmful in contact with skin.
Acute toxicity (inhalation)	4	Harmful if inhaled.
Skin corrosion/irritation	---	---
Serious eye damage/irritation	---	---

Respiratory sensitization	---	---
Skin sensitization	1A	May cause an allergic skin reaction.
Germ cell mutagenicity	---	---
Carcinogenicity	---	---
Reproductive toxicity	---	---
STOT-single exposure	---	---
STOT-repeated exposure	---	---
Aspiration hazard	---	---

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

Section 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L	3hr IC50 Bacteria mg/L	Biodegradability %
Glycerol - (56-81-5)	54,000.00, Oncorhynchus mykiss	1,955.00, Daphnia magna	No data available.	---	---
Propylene glycol - (57-55-6)	40,613.00, Salmo gairdneri	18,340.00, Ceriodaphnia dubia	24,200.00, Raphidocelis subcapitata	---	106.80
Ethyl butyrate - (105-54-4)	> 100.00, Danio rerio	116.60, Daphnia magna	No data available.	---	50.00
Ethyl 2-methylbutyrate - (7452-79-1)	> 100.00, Cyprinus carpio	No data available.	> 100.00, Raphidocelis subcapitata	---	2.00
N,2,3-Trimethyl-2-isopropylbutamide - (51115-67-4)	No data available.	> 100.00, Daphnia magna	> 100.00, Raphidocelis subcapitata	---	20.00
Nicotine benzoate - (88660-53-1)	No data available.	No data available.	No data available.	---	---

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

12.7. Other adverse effects

No available information

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

14.1. UN number

ADR: UN 3144

IMDG: UN 3144

ICAO: UN 3144

14.2. UN proper shipping name

ADR: NICOTINE PREPARATION, LIQUID, N.O.S. (Plum Raspberry 20 mg/mL nicotine E-Liquid)

IMDG: NICOTINE PREPARATION, LIQUID, N.O.S. (Plum Raspberry 20 mg/mL nicotine E-Liquid)

ICAO: NICOTINE PREPARATION, LIQUID, N.O.S. (Plum Raspberry 20 mg/mL nicotine E-Liquid)

14.3. Transport hazard class(es)

ADR: Class 6.1: Toxic substances

IMDG: Class 6.1: Toxic substances

ICAO: Class 6.1: Toxic substances

Transport pictograms on the label:



14.4. Packing group

ADR: III

IMDG: III

ICAO: III

14.5. Environmental hazards

Not available

14.6. Special precautions for user

Move carefully to prevent leakage during carriage. Keep necessary protective articles at hand in case of accident. Use emergency escape mask when in need.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not available

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). REGULATION (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

National Legislation

None noted.

SVHC Ingredient: Not Applicable

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:

3-Hexen-1-ol, (Z)- (Use restricted. See item 40.)

Acetic acid (Use restricted. See item 40.)

Ethyl butyrate (Use restricted. See item 40.)

Ethyl acetoacetate (Use restricted. See item 40.)

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16. Other information

Revision Date 24/11/2023

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H300 Fatal if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H412 Harmful to aquatic life with long lasting effects.

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - International Carriage of Dangerous Goods by Road (Accord Dangereux Routier)

CAS - Chemical Abstract Service

CLP - Classification Labeling and Packaging

DOT - Department of Transportation

EC50 - European Commission

EC50 - Half maximal effective concentration

ErC50 - The concentration of test substance which results in a 50 percent reduction in growth rate (ErC50) relative to the control within 72hrs exposure.

GHS - Globally Harmonized System

IARC - International Agency for Research on Cancer

IATA - International Civil Aviation Organization

IC50 - The amount of a substance suspended in the air required to kills 50% of a test animals during a

predetermined observation period.

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO - International Maritime Organization

LC50 - Is the Lethal Concentration of a substance at which 50% of test animals die.

LD50 - Is the Lethal Dose at which 50% of the animals will be expected to die.

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PBT - Persistent, Bioaccumulative and Toxic Chemicals

PEL - Permissible Exposure Limit

REACH - Registration, Evaluation, Authorization and Restriction of Chemicals

RID - Regulations concerning the international carriage of dangerous goods by rail)

STEL - Short Term Exposure Limit

TWA - Time Weighted Average

vPvB - Very Persistent and very Bio-accumulative

WGK - Water Hazard Class

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification

Justification

Acute toxicity(oral), category 3;H301

Calculation method

Acute toxicity(dermal), category 4;H312

Calculation method

Acute toxicity(inhalation), category 4;H332

Calculation method

Skin sensitizer category 1A;H317

Calculation method

End of Document

Author: Liu Xiangqian

Verifier: Haimei Song

Date: 2023/11/24