爱普香料集团股份有限公司

APPLE FLAVOR & FRAGRANCE GROUP CO., LTD.

Christmas Berries Fragrance

APPLE FLAVOR & FRAGRANCE GROUP CO.,LTD.

Part Number:**SZ-031**
Version No: **1.3**
Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878)

Issue Date:**20/03/2025**
Print Date: **20/03/2025**

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

1.1. Product Identifier

Product name: Christmas Berries Fragrance
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Other means of identification: SZ-031 | UFI: RN20-102T-D00C-K7AU

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

Relevant identified uses:
Prohibited to add in food
Uses advised against: No specific uses advised against are identified.

1.3. Details of the manufacturer or supplier of the safety data sheet

Registered company name	**APPLE FLAVOR & FRAGRANCE GROUP CO.,LTD.**
Address	No.33, Caoxin Road, Shanghai China
Telephone	(86)021-59940388
Fax	(86)021-59940097
Website	www.cnaff.com
Email	apple@cnaff.com

1.4. Emergency telephone number

Association / Organisation	**National Poisons Information Centre**	**Shanghai Chemical Toxicology Advisory Center**
Emergency telephone number(s)	+01 809 2166	+86 400-6267-911
Other emergency telephone number(s)	Not Available	Not Available

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments [1]	H302 - Acute Toxicity (Oral) Category 4, H317 - Sensitisation (Skin) Category 1A, H400 - Hazardous to the Aquatic Environment Acute Hazard Category 1, H411 - Hazardous to the Aquatic Environment Long-Term Hazard Category 2
Legend:	*1. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI*

2.2. Label elements

Hazard pictogram(s)

Page 1 continued...

Signal word: Warning

Hazard statement(s)

H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P280: Wear protective gloves, protective clothing, eye protection and face protection.
P261: Avoid breathing mist/vapours/spray.
P264: Wash all exposed external body areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P272: Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s) Response

P305+P351+P338:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/physician/first aider.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.
P330: Rinse mouth.

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501: Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

Material contains Benzyl benzoate, Hexyl salicylate, Geraniol, Geranyl acetate.

2.3. Other hazards

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3 Composition / information on ingredients

3.1.Substances

See 'Composition on ingredients' in Section 3.2

3.2.Mixtures

Continued...

1. CAS No 2.EC No 3.Index No 4.REACH No	**% [weight]**	**Name**	**Classification according to regulation (EC) No 1272/2008 [CLP] and amendments**	**SCL / M-Factor**	**Nanoform Particle Characteristics**
1. 93-29-8 2.202-236-1 3.Not Available 4.Not Available	0.001-0.01	Isoeugenyl acetate	Non hazardous [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 100-52-7 2.202-860-4 3.605-012-00-5 4.Not Available	0.01-0.1	Benzaldehyde	Acute Toxicity (Oral) Category 4, Serious Eye Damage/Eye Irritation Category 2, Acute Toxicity (Inhalation) Category 4, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3; H302, H319, H332, H335 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 5392-40-5 2.226-394-6 3.605-019-00-3 4.Not Available	0.01-0.1	Citral	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1B, Serious Eye Damage/Eye Irritation Category 2A; H315, H317, H319 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 106-22-9 2.203-375-0 3.Not Available 4.Not Available	0.01-0.1	Citronellol	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1B, Serious Eye Damage/Eye Irritation Category 2A; H315, H317, H319 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 8000-41-7 2.232-268-1 3.Not Available 4.Not Available	0.01-0.1	Terpineol	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2; H315, H319 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 87-44-5	0.01-0.1	beta-Caryophyllene	Aspiration Hazard Category 1; H304 [1]		Not Available

Continued...

1. CAS No 2.EC No 3.Index No 4.REACH No	**% [weight]**	**Name**	**Classification according to regulation (EC) No 1272/2008 [CLP] and amendments**	**SCL / M-Factor**	**Nanoform Particle Characteristics**
2.201-746-1 3.Not Available 4.Not Available				SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	
1. 115-95-7 2.204-116-4 3.Not Available 4.Not Available	0.1-1	Linalyl acetate	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A; H315, H319 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 105-87-3 2.203-341-5|444-730-1 3.Not Available 4.Not Available	0.1-1	Geranyl acetate	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1B, Hazardous to the Aquatic Environment Long-Term Hazard Category 3; H315, H317, H412 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 91-64-5 2.202-086-7 3.Not Available 4.Not Available	0.1-1	Coumarin	Acute Toxicity (Oral) Category 4, Sensitisation (Skin) Category 1B; H302, H317 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 71048-82-3 2.275-156-8 3.Not Available 4.Not Available	0.1-1	delta-damascone	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1A, Hazardous to the Aquatic Environment Acute Hazard Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 1; H315, H317, H400, H410 [1]	SCL: Not Available Acute M factor: 1 Chronic M factor: 1	Not Available
1. 97-53-0 2.202-589-1	0.1-1	Eugenol	Sensitisation (Skin) Category 1B, Serious Eye Damage/Eye Irritation Category 2A; H317, H319 [1]	SCL: Not Available	Not Available

Continued...

1. CAS No 2.EC No 3.Index No 4.REACH No	% [weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	SCL / M-Factor	Nanoform Particle Characteristics
3.Not Available 4.Not Available				Acute M factor: Not Applicable Chronic M factor: Not Applicable	
1. 78-70-6 2.201-134-4 3.603-235-00-2 4.Not Available	0.1-1	Linalool	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A; H315, H319 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 101-86-0 2.202-983-3 3.Not Available 4.Not Available	0.1-1	Hexyl cinnam-aldehyde	Sensitisation (Skin) Category 1B, Hazardous to the Aquatic Environment Acute Hazard Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 2; H317, H400, H411 [1]	SCL: Not Available Acute M factor: 1 Chronic M factor: Not Applicable	Not Available
1. 151-05-3 2.205-781-3 3.Not Available 4.Not Available	1-5	Dimethyl benzyl carbinyl acetate	Hazardous to the Aquatic Environment Long-Term Hazard Category 3; H412 [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 104-20-1 2.203-184-2 3.Not Available 4.Not Available	1-5	4-(4-Methoxyphenyl)butan-2-one	Non hazardous [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 6259-76-3 2.228-408-6 3.Not Available	1-5	Hexyl salicylate	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Hazardous to the Aquatic Environment Acute Hazard Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 1; H315, H317, H400, H410 [1]	SCL: Not Available Acute M factor: 1	Not Available

Continued...

1.CAS No 2.EC No 3.Index No 4.REACH No	% [weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	SCL / M-Factor	Nanoform Particle Characteristics
1.Not Available 2.Not Available 3.Not Available 4.106-24-1				Chronic M factor: 1 SCL: Not Available	
2.203-377-1 3.603-241-00-5 4.Not Available	1-5	Geraniol	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 1; H315, H317, H318 [1]	Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 110-27-0 2.203-751-4 3.Not Available 4.Not Available	5-10	Isopropyl tetradecanoate	Non hazardous [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 103-60-6 2.203-127-1 3.Not Available 4.Not Available	5-10	2-Phenoxyethyl isobutyrate	Non hazardous [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available
1. 120-51-4 2.204-402-9 3.607-085-00-9 4.Not Available	25-30	Benzyl benzoate	Acute Toxicity (Oral) Category 4, Hazardous to the Aquatic Environment Acute Hazard Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 2; H302, H400, H411 [1]	SCL: Not Available Acute M factor: 1 Chronic M factor: Not Applicable	Not Available
1. 141-28-6 2.205-477-0 3.Not Available 4.Not Available	25-30	Diethyl adipate	Non hazardous [1]	SCL: Not Available Acute M factor: Not Applicable Chronic M factor: Not Applicable	Not Available

Legend: *1. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 2. Classification drawn from C&L; * EU IOELVs available; [e] Substance identified as having endocrine disrupting properties*

SECTION 4 First aid measures

Continued...

4.1. Description of first aid measures

Eye Contact

If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Transport to hospital or doctor without delay.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

Inhalation

- If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

Ingestion

- **IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.**
- For advice, contact a Poisons Information Centre or a doctor.
- Urgent hospital treatment is likely to be needed.
- In the mean time, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition.
- If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. Further action will be the responsibility of the medical specialist.
- If medical attention is not available on the worksite or surroundings send the patient to a hospital together with a copy of the SDS.

Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise:

- **INDUCE** vomiting with fingers down the back of the throat, **ONLY IF CONSCIOUS**. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

NOTE: Wear a protective glove when inducing vomiting by mechanical means.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

SECTION 5 Firefighting measures

5.1. Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility

None known.

5.3. Advice for firefighters

Fire Fighting

- Alert Fire Brigade and tell them location and nature of hazard.

Continued...

- Wear full body protective clothing with breathing apparatus.
- Prevent, by any means available, spillage from entering drains or water course.

Fire/Explosion Hazard

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

Minor Spills

Environmental hazard - contain spillage.

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact with the substance, by using protective equipment.

Major Spills

Environmental hazard - contain spillage.

Moderate hazard.

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Safe handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- **DO NOT** allow clothing wet with material to stay in contact with skin

Fire and explosion protection

See section 5

Other information

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Suitable container

- Metal can or drum
- Packaging as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

Storage incompatibility

None known

Hazard categories in accordance with Regulation (EC) No 2012/18/EU (Seveso III)

Continued...

E1: Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1, E2: Hazardous to the Aquatic Environment in Category Chronic 2

Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of

E1 Lower- / Upper-tier requirements: 100 / 200
E2 Lower- / Upper-tier requirements: 200 / 500

7.3. Specific end use(s)

See section 1.2

SECTION 8 Exposure controls / personal protection

8.1. Control parameters
Not Available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
The basic types of engineering controls are:
Process controls which involve changing the way a job activity or process is done to reduce the risk.

8.2.2. Individual protection measures, such as personal protective equipment

Eye and face protection

- Safety glasses with side shields.
- Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent]
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

Skin protection

See Hand protection below

Hands/feet protection

- Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber

NOTE:

- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Body protection

See Other protection below

Other protection

- Overalls.
- P.V.C apron.
- Barrier cream.

Continued...

8.2.3. Environmental exposure controls

See section 12

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Pale yellow to yellow

Physical state	Liquid	**Relative density (25/25℃)**	1.015-1.035
Odour	Characteristic	**Partition coefficient n-octanol / water**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature (°C)**	Not Available
pH (as supplied)	Not Available	**Decomposition temperature (°C)**	Not Available
Melting point / freezing point (°C)	Not Available	**Viscosity (cSt)**	Not Available
Initial boiling point and boiling range (°C)	Not Available	**Molecular weight (g/mol)**	Not Available
Flash point (°C)	95	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Not Applicable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Available	**Surface Tension (dyn/cm or mN/m)**	Not Available
Lower Explosive Limit (%)	Not Available	**Volatile Component (%vol)**	Not Available
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water	Not Available	**pH as a solution (1%)**	Not Available
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available
Heat of Combustion (kJ/g)	Not Available	**Ignition Distance (cm)**	Not Available
Flame Height (cm)	Not Available	**Flame Duration (s)**	Not Available
Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	**Enclosed Space Ignition Deflagration Density (g/m3)**	Not Available
Nanoform Solubility	Not Available	**Nanoform Particle Characteristics**	Not Available
Particle Size	Not Available		

9.2. Other information

Not Available

SECTION 10 Stability and reactivity

10.1.Reactivity:
See section 7.2

Continued...

10.2. Chemical stability:
- Unstable in the presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

10.3. Possibility of hazardous reactions:

See section 7.2

10.4. Conditions to avoid:

See section 7.2

10.5. Incompatible materials:

See section 7.2

10.6. Hazardous decomposition products:

See section 5.3

SECTION 11 Toxicological information

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

a) Acute Toxicity

There is sufficient evidence to classify this material as acutely toxic.

b) Skin Irritation/Corrosion

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

c) Serious Eye Damage/Irritation

There is sufficient evidence to classify this material as eye damaging or irritating

d) Respiratory or Skin sensitisation

There is sufficient evidence to classify this material as sensitising to skin or the respiratory system

e) Mutagenicity

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

f) Carcinogenicity

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

g) Reproductivity

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

h) STOT - Single Exposure

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

i) STOT - Repeated Exposure

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

j) Aspiration Hazard

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

Inhaled

The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Ingestion

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.

Skin Contact

There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.
Open cuts, abraded or irritated skin should not be exposed to this material
Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Continued...

Eye

If applied to the eyes, this material causes severe eye damage.

Chronic

Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.

Christmas Berries Fragrance	**TOXICITY** / **IRRITATION** Not Available / Not Available
Isoeugenyl acetate	**TOXICITY** / **IRRITATION** Not Available / Not Available
Benzaldehyde	**TOXICITY** / **IRRITATION** Not Available / Not Available
Citral	**TOXICITY** / **IRRITATION** Not Available / Not Available
Citronellol	**TOXICITY** / **IRRITATION** Not Available / Not Available
Terpineol	**TOXICITY** / **IRRITATION** Not Available / Not Available
beta-Caryophyllene	**TOXICITY** / **IRRITATION** Not Available / Not Available
Linalyl acetate	**TOXICITY** / **IRRITATION** Not Available / Not Available
Geranyl acetate	**TOXICITY** / **IRRITATION** Not Available / Not Available
Coumarin	**TOXICITY** / **IRRITATION** Not Available / Not Available
delta-damascone	**TOXICITY** / **IRRITATION** Not Available / Not Available
Eugenol	**TOXICITY** / **IRRITATION** Not Available / Not Available
Linalool	**TOXICITY** / **IRRITATION** Not Available / Not Available
Hexyl cinnam-aldehyde	**TOXICITY** / **IRRITATION**

Continued...

	Not Available / Not Available
Dimethyl benzyl carbinyl acetate	**TOXICITY** / **IRRITATION** Not Available / Not Available
4-(4-Methoxyphenyl)butan-2-one	**TOXICITY** / **IRRITATION** Not Available / Not Available
Hexyl salicylate	**TOXICITY** / **IRRITATION** Not Available / Not Available
Geraniol	**TOXICITY** / **IRRITATION** Not Available / Not Available
Isopropyl tetradecanoate	**TOXICITY** / **IRRITATION** Not Available / Not Available
2-Phenoxyethyl isobutyrate	**TOXICITY** / **IRRITATION** Not Available / Not Available
Benzyl benzoate	**TOXICITY** / **IRRITATION** Not Available / Not Available
Diethyl adipate	**TOXICITY** / **IRRITATION** Not Available / Not Available

Legend: *1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances*

Acute Toxicity	✔	**Carcinogenicity**	✘
Skin Irritation/Corrosion	✘	**Reproductivity**	✘
Serious Eye Damage/Irritation	✔	**STOT - Single Exposure**	✘
Respiratory or Skin sensitisation	✔	**STOT - Repeated Exposure**	✘
Mutagenicity	✘	**Aspiration Hazard**	✘

Legend: ✘ *– Data either not available or does not fill the criteria for classification*
✔ *– Data available to make classification*

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

11.2.2. Other information

See Section 11.1

SECTION 12 Ecological information

12.1. Toxicity
Not Available

Continued...

12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Date available for all ingredients	No Date available for all ingredients

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
	No Date available for all ingredients

12.4. Mobility in soil

Ingredient	Mobility
	No Date available for all ingredients

12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	Not Available	Not Available	Not Available
PBT	✗	✗	✗
vPvB	✗	✗	✗

PBT Criteria fulfilled?	No
vPvB	No

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

12.7. Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

13.1. Waste treatment methods

Product / Packaging disposal

- Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

Otherwise:

- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

- **DO NOT** allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.
- Bury residue in an authorised landfill.

Waste treatment options

Not Available

Sewage disposal options

Not Available

SECTION 14 Transport information

Continued...

Labels Required

Marine Pollutant

Land transport (ADR-RID)

14.1. UN number or ID number: **3082**
14.2. UN proper shipping name: **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
14.3. Transport hazard class(es):
Class: **9**
Subsidiary Hazard: **Not Applicable**
14.4. Packing group: **III**
14.5. Environmental hazard: **Environmentally hazardous**
14.6. Special precautions for user:
Hazard identification (Kemler): **90**
Classification code: **M6**
Hazard Label: **9**
Special provisions: **274 335 375 601**
Limited quantity: **5 L**
Transport Category: **3**
Tunnel Restriction Code: **Not Applicable**

Air transport (ICAO-IATA / DGR)

14.1. UN number: **3082**
14.2. UN proper shipping name: **Environmentally hazardous substance, liquid, n.o.s.**
14.3. Transport hazard class(es):
ICAO/IATA Class: **9**
ICAO / IATA Subsidiary Hazard: **Not Applicable**
ERG Code: **9L**
14.4. Packing group: **III**
14.5. Environmental hazard: **Environmentally hazardous**
14.6. Special precautions for user:
Special provisions: **A97 A158 A197 A215**
Cargo Only Packing Instructions: **964**
Cargo Only Maximum Qty / Pack: **450 L**
Passenger and Cargo Packing Instructions: **964**
Passenger and Cargo Maximum Qty / Pack: **450 L**
Passenger and Cargo Limited Quantity Packing Instructions: **Y964**
Passenger and Cargo Limited Maximum Qty / Pack: **30 kg G**

Sea transport (IMDG-Code / GGVSee)

14.1. UN number: **3082**
14.2. UN proper shipping name: **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
14.3. Transport hazard class(es):
IMDG Class: **9**
IMDG Subsidiary Hazard: **Not Applicable**
14.4. Packing group: **III**
14.5 Environmental hazard: **Marine Pollutant**

Continued...

14.6. Special precautions for user:

EMS Number: **F-A , S-F**
Special provisions: **274 335 969**
Limited Quantities: **5 L**

Inland waterways transport (ADN)

14.1. UN number: **3082**
14.2. UN proper shipping name: **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.**
14.3. Transport hazard class(es):

9: **Not Applicable**

14.4. Packing group: **III**
14.5. Environmental hazard: **Environmentally hazardous**
14.6. Special precautions for user:

Classification code: **M6**
Special provisions: **274; 335; 375; 601**
Limited quantity: **5 L**
Equipment required: **PP**
Fire cones number: **0**

14.7. Maritime transport in bulk according to IMO instruments

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 Regulatory information

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

Isoeugenyl acetate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Benzaldehyde is found on the following regulatory lists

- EU European Chemicals Agency (ECHA) Community Rolling Action Plan (CoRAP) List of Substances
- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)
- European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

Citral is found on the following regulatory lists

- EU European Chemicals Agency (ECHA) Community Rolling Action Plan (CoRAP) List of Substances
- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)
- European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

Citronellol is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Terpineol is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

beta-Caryophyllene is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Linalyl acetate is found on the following regulatory lists

Continued...

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Geranyl acetate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Coumarin is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)
- FEI Equine Prohibited Substances List - Banned Substances
- FEI Equine Prohibited Substances List (EPSL)
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

delta-damascone is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Eugenol is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

Linalool is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)
- European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

Hexyl cinnam-aldehyde is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Dimethyl benzyl carbinyl acetate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

4-(4-Methoxyphenyl)butan-2-one is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Hexyl salicylate is found on the following regulatory lists

- EU European Chemicals Agency (ECHA) Community Rolling Action Plan (CoRAP) List of Substances
- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Geraniol is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)
- European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

Isopropyl tetradecanoate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

2-Phenoxyethyl isobutyrate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Benzyl benzoate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Continued...

- European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

Diethyl adipate is found on the following regulatory lists

- Europe EC Inventory
- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Additional Regulatory Information

Not Applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

Information according to 2012/18/EU (Seveso III):

Seveso Category: E1, E2

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (Isoeugenyl acetate; Benzaldehyde; Citral; Citronellol; Terpineol; beta-Caryophyllene; Linalyl acetate; Geranyl acetate; Coumarin; delta-damascone; Eugenol; Linalool; Hexyl cinnam-aldehyde; Dimethyl benzyl carbinyl acetate; 4-(4-Methoxyphenyl)butan-2-one; Hexyl salicylate; Geraniol; Isopropyl tetradecanoate; 2-Phenoxyethyl isobutyrate; Benzyl benzoate; Diethyl adipate)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	No (delta-damascone; 4-(4-Methoxyphenyl)butan-2-one)
New Zealand - NZIoC	No (delta-damascone)
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	No (beta-Caryophyllene; delta-damascone; Hexyl cinnam-aldehyde; Hexyl salicylate; 2-Phenoxyethyl isobutyrate; Diethyl adipate)
Vietnam - NCI	Yes
Russia - FBEPH	No (Isoeugenyl acetate; delta-damascone; Isopropyl tetradecanoate; 2-Phenoxyethyl isobutyrate)
Legend:	*Yes = All CAS declared ingredients are on the inventory* *No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.*

SECTION 16 Other information

Revision Date: 20/03/2025
Initial Date: 02/06/2017

Full text Risk and Hazard codes

H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.

Continued...

H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources.
The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.
The information in this SDS is to best of our knowledge true and accurate but all data, instruction, recommendations and suggestions are made without guarantee.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	Classification Procedure
Acute Toxicity (Oral) Category 4, H302	On basis of test data
Sensitisation (Skin) Category 1A, H317	Calculation method
Serious Eye Damage/Eye Irritation Category 1, H318	Calculation method
Hazardous to the Aquatic Environment Acute Hazard Category 1, H400	Calculation method
Hazardous to the Aquatic Environment Long-Term Hazard Category 2, H411	Calculation method