SAFETY DATA SHEET
FREESIA FRAGRANCE

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

1.1. Product identifier
Product name FREESIA FRAGRANCE
Product number 41592

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Concentrated material for manufacturing purposes only.

1.3. Details of the supplier of the safety data sheet
Supplier Essential Oils Direct Ltd
13 Parkside Industrial Estate
Edge Lane Street
Royton OL2 6DS
+44 (0) 161 633 3952

Contact person Regulatory Manager

1.4. Emergency telephone number
Emergency telephone +44 (0) 161 633 3952 Office Hours are 09:30 - 16:00 weekdays only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards Not Classified
Health hazards Elicitation - EUH208
Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) R52/53

2.2. Label elements
Hazard statements H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains HEXYL CINNAMAL, BUTYLPHENYL METHYLPROPIONAL, CITRONELLOL, AMYL CINNAMAL, BENZYL SALICYLATE, EUGENOL, GERANYL ACETATE, HYDROXYCITRONELLAL, LIMONENE, CYCLAMEN ALDEHYDE, ISOEUGENOL. May produce an allergic reaction.

Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards
### FREESIA FRAGRANCE

#### SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>%</th>
<th>CAS number</th>
<th>EC number</th>
<th>Classification</th>
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<td>Skin Irrit. 2 - H315</td>
<td>Xi; R36/38</td>
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**Acute Tox. 4 - H302**

**Eye Irrit. 2 - H319**

**Skin Irrit. 2 - H315**

**Skin Sens. 1 - H317**

**Repr. 2 - H361**

**Aquatic Acute 1 - H400**

**Aquatic Chronic 2 - H411**
# FREESIA FRAGRANCE

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# FREESIA FRAGRANCE

## GERANYL ACETATE
- **CAS number:** 105-87-3
- **EC number:** 203-341-5
- **Classification:**
  - Skin Irrit. 2 - H315
  - Skin Sens. 1 - H317
  - Aquatic Chronic 2 - H411
- **Classification (67/548/EEC or 1999/45/EC):**
  - Xi; R38. N; R51/53. R43

## HYDROXYCITRONELLAL
- **CAS number:** 107-75-5
- **EC number:** 203-518-7
- **Classification:**
  - Eye Irrit. 2 - H319
  - Skin Sens. 1B - H317
- **Classification (67/548/EEC or 1999/45/EC):**
  - Xi; R36. R43

## LIMONENE
- **CAS number:** 138-86-3
- **EC number:** 205-341-0
- **M factor (Acute):** 1
- **M factor (Chronic):** 1
- **Classification:**
  - Flam. Liq. 3 - H226
  - Skin Irrit. 2 - H315
  - Skin Sens. 1 - H317
  - Asp. Tox. 1 - H304
  - Aquatic Acute 1 - H400
  - Aquatic Chronic 1 - H410
- **Classification (67/548/EEC or 1999/45/EC):**
  - Xn; R65. Xi; R38. N; R50/53. R10, R43

## CYCLAMEN ALDEHYDE
- **CAS number:** 103-95-7
- **EC number:** 203-161-7
- **Classification:**
  - Skin Irrit. 2 - H315
  - Skin Sens. 1B - H317
  - Aquatic Chronic 3 - H412
- **Classification (67/548/EEC or 1999/45/EC):**
  - Xi; R38. R43, R52/53

## ALPHA-CEDRENE
- **CAS number:** 469-61-4
- **EC number:** 207-418-4
- **M factor (Acute):** 10
- **M factor (Chronic):** 10
- **Classification:**
  - Asp. Tox. 1 - H304
  - Aquatic Acute 1 - H400
  - Aquatic Chronic 1 - H410
- **Classification (67/548/EEC or 1999/45/EC):**
  - Xn; R65. N; R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.
FREESIA FRAGRANCE

SECTION 4: First aid measures

4.1. Description of first aid measures

**Inhalation**
Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**
Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

**Skin contact**
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.

**Eye contact**
Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**General information**
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.

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

**Notes for the doctor**
No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

**Suitable extinguishing media**
Extinguish with the following media: Foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media**
Water.

5.2. Special hazards arising from the substance or mixture

**Specific hazards**
Toxic gases or vapours.

5.3. Advice for firefighters

**Protective actions during firefighting**
Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

**Environmental precautions**
Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**
Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.

Advice on general occupational hygiene: Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Appropriate engineering controls: Provide adequate ventilation.

Eye/face protection: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection: Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures: No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection: No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Environmental exposure controls: Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Liquid.

Colour: Light (or pale). Yellow.

Odour: Characteristic.

Relative density: ~ 1.015 @ 20°C

9.2. Other information

Refractive index: ~ 1.450 @ 20°C
SECTION 10: Stability and reactivity

10.1. Reactivity
10.2. Chemical stability
Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid
Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials
Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products
Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - oral
ATE oral (mg/kg) 109,123.7

General information No specific health hazards known.
Inhalation No specific health hazards known.
Ingestion No specific health hazards known. No harmful effects expected from quantities likely to be ingested by accident.
Skin contact No specific health hazards known.
Eye contact Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards No specific health hazards known.
Medical symptoms No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.
Medical considerations May cause allergic contact eczema. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. Get medical attention.

Toxicological information on ingredients.

PHENYLETHYL ALCOHOL

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 1,603.3
Species Rat
ATE oral (mg/kg) 1,603.3
FREESIA FRAGRANCE

SECTION 12: Ecological Information

Ecotoxicity
Harmful to aquatic life with long lasting effects.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability
The product contains substances which are not expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility
The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods
Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.
SECTION 15: Regulatory information

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

EU legislation

Guidance
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Key literature references and sources for data

Issued by
Regulatory Manager

Revision date
02/07/2015

Revision
0

Risk phrases in full
R10 Flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
Hazard statements in full

EUH208 Contains LIMONENE, HEXYL CINNAMAL, BUTYLPHENYL METHYLPROPIONAL, BENZYL SALICYLYTE, GERANYL ACETATE, ISOEUGENOL, CITRONELLOL, HYDROXYCITRONELLAL, EUGENOL, AMYL CINNAMAL, CYCLAMEN ALDEHYDE. May produce an allergic reaction.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs (Spleen) through prolonged or repeated exposure if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.