

| Chemical Name | % per weight | REACH Registration No | Classification according to Regulation 1272/2008 (Regulation CLP) | CAS No | EINECS No | FEMA |
|---|-----------------|--------------------------|--|-------------|-----------|------|
| | | | Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Acute 3;H402 | | | |
| beta-Caryophyllene | 0,8-1 | Not available | Asp. Tox. 1;H304 Skin Irrit. 3;H316 Skin Sens. 1;H317 | 87-44-5 | 201-746-1 | 2252 |
| Orange peel oil, sweet | 0,8-1 | 01-2119493353-35 | Flam. Liq. 3;H226 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 2;H401 Aquatic Chronic 2;H411 | 8008-57-9 | 232-433-8 | 2825 |
| Ethylene dodecanedioate | 0,8-1 | Not available | Acute Tox. 5 (Oral);H303 Aquatic Acute 1;H400 Aquatic Chronic 3;H412 | 54982-83-1 | 259-423-6 | - |
| Dodecanal | 0,8-1 | Not available | Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 | 112-54-9 | 203-983-6 | 2615 |
| Methyl nonyl acetaldehyde (2-Methylundecanal) | 0,6-0,8 | Not available | Flam. Liq. 4;H227 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 | 110-41-8 | 203-765-0 | 2749 |
| Habanolide (E+Z-Oxacyclohexadec-12(+13)-en-2-one) | 0,2-0,3 | 01-2119970582-32 | Aquatic Acute 1;H400 Aquatic Chronic 2;H411 | 111879-80-2 | 422-320-3 | - |

Additional information

For full text of H-Statements included in the above table: see section 16.

4: First aid measures

4.1 Accidental ingestion

Rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

4.2 Excessive inhalation

Remove the individual to fresh air and keep at rest. Obtain medical advice immediately.

4.3 Skin contact

Remove contaminated clothing. Wash skin with large volumes of water, (or soap and water). If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.

4.4 Eye exposure

Irrigate copiously with water for at least 10 minutes. Obtain medical advice if any irritation or evidence of tissue damage persists.

5: Firefighting measures

5.1 Extinguishing media

CO₂, alcohol – resistant foam, dry powder. Never use directly water.

5.2 Special hazards arising from the substance or mixture

In case of fire, CO/CO₂ and smoke may be released.

5.3 Advice for firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. No smoking. Provide sufficient ventilation, control of dust. Wear suitable personal protective equipment, referred to under Section 8, to prevent any contamination of skin and eyes. Avoid inhalation of vapor.

6.2 Environmental precautions

Recommended environmental precautions to be taken related to accidental spills and release of the substance or mixture, such as keeping away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up

Gross spillages should be contained by the use of sand or inert powder, and disposal of this should be in accordance with Government Regulations. Any absorbent used for cleaning up spillage should be disposed promptly, preferably by incineration, as some cases of spontaneous combustion of rags soaked with similar materials have been reported.

6.4 Reference to other sections

If appropriate Sections 8 and 13 shall be referred to.

7: Handling and storage

7.1 Precautions for safe handling

Avoid naked flames or other potential sources of ignition (eg. electrical equipment). Do not subject to unnecessarily high temperature during processing. Wear suitable personal protective equipment. Maintain adequate ventilation in working areas. Do not smoke, eat or drink when you use this product. Good personal washing routines should be followed.

7.2 Conditions for safe storage, including any incompatibilities

It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re – use the empty container.

7.3 Specific end use(s)

Aromatic material: Use according to proper manufacturing practices and occupational hygiene.

8: Exposure controls/personal protection

8.1 Exposure controls

Do not subject to unnecessarily high temperature during processing. Maintain adequate ventilation in working areas.

8.2 Personal protection

a) Respiratory protection: where ventilation may be inadequate, wear self – contained breathing apparatus. b) Hand protection: where hand protection is indicated, safety gloves are recommended. c) Eye protection: where eye protection is indicated, safety goggles are recommended. d) Skin protection: depending on working situation these should include wearing protective clothing, which will also limit the odor contamination of personal clothing. Good personal washing routines should be followed.

9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|-------------------------------------|------------------------------------|
| Appearance | Pale yellow to yellow, oily liquid |
| Odour | Characteristic |
| Flash point (°C) | 70.0°C < FLASH POINT < 100.0°C |
| Solubility in water | Insoluble (10%) |
| Solubility in other solvents | Soluble (10%) in ethyl alcohol |
| Refractive Index (25°C) | 1.491 - 1.501 |

10: Stability and reactivity

10.1 Reactivity

No known reactivity hazards. No reaction known with water.

10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions

10.3 Possibility of hazardous reactions

Not expected when handled and stored according to provisions.

10.4 Conditions to avoid

Avoid temperatures above or near to the flash point, sources of ignition, sparks and flames. Do not heat closed containers.

10.5 Incompatible materials

Avoid contact with strong acids, alkalis or oxidizing agents.

10.6 Hazardous decomposition products

Not expected when handled and stored according to provisions. Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

11: Toxicological information

This preparation has not been subjected to ecotoxicological testing as an entity but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict hazards to susceptible individuals or arising from unforeseeable use, this preparation should be considered and handled as if it displayed health hazards and treated in consequence with all possible precaution.

12: Ecological information

This preparation has not been subjected to ecotoxicological testing as an entity. In view of difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable of localized parts of the ecosystem, this preparation should be considered and handled as if it displayed environmental hazards, and treated in consequence with all possible precaution.

13: Disposal considerations

Residual quantities of the product should be treated according to the instructions given under points 6, 7 and 8 above. Wastes should be eliminated according to national or regional regulatory requirements.

14: Transport information

14.1 Land transport ADR/RID

| | |
|-----------------------|---------------|
| ADR/RID Class: | 0 |
| Danger code (Kemler): | Not regulated |
| UN number: | -- |
| Packaging group: | -- |

14.2 Maritime transport IMDG

| | |
|---------------------|---------------|
| IMDG Class: | 0 |
| UN number: | Not regulated |
| Packaging group: | -- |
| EMS number: | -- |
| Segregation groups: | -- |

14.3 Air transport ICAO-TI and IATA-DGR

| | |
|------------------|---------------|
| ICAO/IATA Class: | 0 |
| UN number: | Not regulated |
| Packaging group: | -- |

15: Regulatory information

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

Commission Directive 2006/8/EC amending, for the purposes of their adaptation to technical progress, Annexes II, III and V to Directive 1999/45/EC of the European Parliament and of the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

15.2 Chemical safety assessment

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

16: Other information

16.1 Indication of changes

The contents of the following section(s) alter and supersede those in the previous version:
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 & 16. All parts updated in accordance to the Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006.

16.2 Abbreviations and acronyms:

| | |
|-----------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| CAS# | Chemical Abstracts Service number |
| CMR | Carcinogen, Mutagen, or Reproductive Toxicant |
| DPD | Dangerous Preparations Directive 1999/45/EC |
| DSD | Dangerous Substances Directive 67/548/EEC |
| EC | European Community |
| ECHA | European Chemicals Agency |
| EC-Number | EINECS and ELINCS Number (see also EINECS and ELINCS) |
| EEC | European Economic Community |
| EINECS | European Inventory of Existing Commercial Substances |
| ELINCS | European List of notified Chemical Substances |
| EN | European Standard |
| EQS | Environmental Quality Standard |
| EU | European Union |
| GHS | Globally Harmonized System |
| IATA | International Air Transport Association |
| ICAO-TI | Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG | International Maritime Dangerous Goods |
| IMSBC | International Maritime Solid Bulk Cargoes |
| IUCLID | International Uniform Chemical Information Database |
| IUPAC | International Union for Pure Applied Chemistry |
| MSDS | Material Safety Data Sheet |
| OECD | Organization for Economic Co-operation and Development |
| OSHA | European Agency for Safety and Health at work |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| RIP | REACH Implementation Project |
| SDS | Safety data sheet |
| STOT | Specific Target Organ Toxicity |
| (STOT) RE | Repeated Exposure |
| (STOT) SE | Single Exposure |
| SVHC | Substances of Very High Concern |
| UN | United Nations |

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

Classification according to Regulation (EC) Nr. 1272/2008 Classification procedure

Eye Irrit. 2;H319

Calculation Method

Skin Sens. 1;H317

Calculation Method

Aquatic Chronic 3;H412

Calculation Method

16.4 Full text of H - Statements

H226 - Flammable liquid and vapour

H227 - Combustible liquid

H302 - Harmful if swallowed

H303 - May be harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H312 - Harmful in contact with skin

H313 - May be harmful in contact with skin

H315 - Causes skin irritation

H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H320 - Causes eye irritation

H400 - Very toxic to aquatic life

H401 - Toxic to aquatic life

H402 - Harmful 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

16.5 Emergency telephone numbers

Austria +43 1 406 43 43

Belgium +32 70 245 245

Bulgaria +359 2 9154 233

Croatia (+385 1) 2348342

Czech +420 224 919 293 / +420 224 915 402

Republic +45 82 12 12 12

Denmark 16662 (National), International (+372) 626 93 90

Estonia +358 9 471977

Finland + 33 (0)1 45 42 59 59

France +31 13 4642 211

Germany +31 13 4642 211

Greece (+36-80) 201-199

Hungary +354 543 2222

Iceland Ireland +353 1 8092566 / +353 1 8379964

Italy +39 06 68593726

Latvia +371 67042473

Lithuania +370 5 236 20 52 or +370 687 53378

Luxembourg +352 8002 5500

Malta +356 21224071

Netherlands +31 30 2748888 (Only for the purpose of informing medical personnel in cases of acute intoxications).

| | |
|----------------|---|
| Norway | +47 22 59 13 00 |
| Poland | +31 13 4642 211 |
| Portugal | +808 250 143 |
| Romania | +31 13 4642 211 |
| Slovakia | +31 13 4642 211 |
| Slovenia | +31 13 4642 211 |
| Spain | +34 91 562 04 20 (only for the purpose of informing medical personnel in cases of acute intoxications). |
| Sweden | +46 112 |
| United Kingdom | For medical professionals only +44 845 46 47 (England and Wales) + 44 8454 24 24 24 (Scotland) |

16.6 Further Information

According to Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006, the information in this safety data sheet is based on the properties of the materials known to Escentscia Limited at the time the data sheet was issued. The safety data sheet is intended to provide information for a healthy and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. It is the user's responsibility to determine conditions of safe use of the product, according to the information provided in this safety data sheet.

This document is not intended for quality assurance purposes.