

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: SAGE LAVENDER

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: SAGE LAVENDER

Other identifiers: None

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

Product uses: Fragrance

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of danger: Flammable Liquid, Hazard Category 4
Acute Toxicity - Oral Category 5
Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Hazardous to the Aquatic Environment - Acute Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 1
H227, Combustible liquid.
H303, May be harmful if swallowed.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H410, Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Warning

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Hazard statements: H227, Combustible liquid.
 H303, May be harmful if swallowed.
 H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H319, Causes serious eye irritation.
 H410, Very toxic to aquatic life with long lasting effects.

Precautionary statements: P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
 P261, Avoid breathing vapour or dust.
 P264, Wash hands and other contacted skin thoroughly after handling.
 P272, Contaminated work clothing should not be allowed out of the workplace.
 P273, Avoid release to the environment.
 P280, Wear protective gloves/eye protection/face protection.
 P302/352, IF ON SKIN: Wash with plenty of soap and water.
 P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312, Call a POISON CENTRE or doctor/physician if you feel unwell.
 P333/313, If skin irritation or rash occurs: Get medical advice/attention.
 P337/313, If eye irritation persists: Get medical advice/attention.
 P362, Take off contaminated clothing and wash before reuse.
 P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
 P391, Collect spillage.
 P403/235, Store in a well-ventilated place. Keep cool.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

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| Name | CAS | EC | % | GHS Classification |
|---|------------|-----------|---------|--|
| Diethyl phthalate | 84-66-2 | 201-550-6 | 20-<50% | SCI 3-EH A3;H316-H402 |
| 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid) | 1506-02-1 | 216-133-4 | 10-<20% | ATO 4-EH A1-EH C1;H302-H410 |
| alpha-iso-Methylionone | 127-51-5 | 204-846-3 | 5-<10% | SCI 2-EDI 2B-SS 1B-EH A2-EH C2; H315-H317-H320-H411 |
| alpha-Hexylcinnamaldehyde | 101-86-0 | 202-983-3 | 5-<10% | ATO 5-SCI 3-SS 1B-EH A1-EH C2;H303-H316-H317-H400-H411 |
| Linalyl acetate | 115-95-7 | 204-116-4 | 5-<10% | FL 4-SCI 2-EDI 2A-EH A3;H227-H315-H319-H402 |
| alpha-Cedrene | 469-61-4 | 207-418-4 | 1-<5% | SCI 3-AH 1-EH A1-EH C1;H304-H316-H410 |
| d-Limonene | 5989-27-5 | 227-813-5 | 1-<5% | FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410 |
| Linalool | 78-70-6 | 201-134-4 | 1-<5% | FL 4-ATO 5-SCI 2-EDI 2A-EH A3;H227-H303-H315-H319-H402 |
| Phenethyl alcohol | 60-12-8 | 200-456-2 | 1-<5% | ATO 4-ATD 5-SCI 3-EDI 2A;H302-H313-H316-H319 |
| Benzyl acetate | 140-11-4 | 205-399-7 | 1-<5% | ATO 5-SCI 3-EH A2-EH C3;H303-H316-H401-H412 |
| Hydroxyisohexyl 3-cyclohexene carboxaldehyde | 31906-04-4 | 904-617-9 | 1-<5% | SS 1B-EH A3;H317-H402 |
| dl-Citronellol | 106-22-9 | 203-375-0 | 1-<5% | ATO 5-ATD 5-SCI 2-EDI 2A-SS 1B-EH A2;H303-H313-H315-H317-H319-H401 |
| Dihydromyrcenol | 18479-58-8 | 242-362-4 | 0.1-<1% | FL 4-ATO 5-SCI 2-EDI 2A-EH A3;H227-H303-H315-H319-H402 |
| Coumarin | 91-64-5 | 202-086-7 | 0.1-<1% | ATO 4-SS 1B-EH A3;H302-H317-H402 |
| Eugenol | 97-53-0 | 202-589-1 | 0.1-<1% | ATO 5-SCI 3-EDI 2A-SS 1B-EH A2; H303-H316-H317-H319-H401 |
| Citral | 5392-40-5 | 226-394-6 | 0.1-<1% | ATD 5-SCI 2-EDI 2A-SS 1B-EH A2; H313-H315-H317-H319-H401 |
| Dimethylcyclohex-3-ene-1-carbaldehyde (isomer unspecified) | 27939-60-2 | 248-742-6 | 0.1-<1% | FL 4-ATO 5-ATD 4-SCI 2-SS 1B-EH A2-EH C2;H227-H303-H312-H315-H317-H411 |
| Geranyl acetate | 105-87-3 | 203-341-5 | 0.1-<1% | SCI 2-SS 1B-EH A2-EH C3;H315-H317-H401-H412 |
| Acetyl cedrene | 32388-55-9 | 251-020-3 | 0.1-<1% | SCI 3-SS 1B-EH A1-EH C1;H316-H317-H410 |
| beta-Caryophyllene | 87-44-5 | 201-746-1 | 0.1-<1% | SCI 3-AH 1;H304-H316 |
| Myrcene | 123-35-3 | 204-622-5 | <0.1% | FL 3-SCI 2-EDI 2A-AH 1;H226-H304-H315-H319 |
| alpha-Pinene | 80-56-8 | 201-291-9 | <0.1% | FL 3-ATO 5-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H303-H304-H315-H317-H410 |

Substances with Community workplace exposure limits, not listed above:

| Name | CAS | EC | % |
|-------------------|---------|-----------|--------|
| Diethyl phthalate | 84-66-2 | 201-550-6 | 43.48% |

Section 4. First-aid measures**4.1 Description of first aid measures**

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

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

Call a POISON CENTRE or doctor/physician if you feel unwell.

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4.2 Most important symptoms and effects, both acute and delayed

May be harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

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7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

| Ingredient | CAS | EC | Description | ppm | mg/m ³ | Reference |
|-------------------|---------|-----------|--|-----|-------------------|-----------|
| Diethyl phthalate | 84-66-2 | 201-550-6 | Long-term exposure limit (8-hour TWA reference period) | - | - | - |
| | | | Short-term exposure limit (15-minute reference period) | - | - | - |

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---------------------------------------|----------------|
| Appearance: | Not determined |
| Odour: | Not determined |
| pH: | Not determined |
| Initial boiling point / range: | Not determined |
| Flash point: | > 77 °C |
| Vapour pressure: | Not determined |

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Relative density: Not determined

Solubility(ies): Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

May be harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 4932

Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: >5000

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Information about hazardous ingredients in the mixture

| Ingredient | CAS | EC | LD50/ATE Oral | LD50/ATE Dermal | LC50/ATE Inhalation | LC50 Route |
|---|-----------|-----------|---------------|-----------------|---------------------|---------------|
| 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl- | 1506-02-1 | 216-133-4 | 1000 | Not available | Not available | Not available |

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| | | | | | |
|-------------------------------------|-----------|-----------|---------------|---------------|---------------|
| 2-naphthyl)ethan-1-one (Fixolid) | 216-133-4 | 1000 | Not available | Not available | Not available |
| Phenethyl alcohol | 60-12-8 | 200-456-2 | 1610 | 2500 | Not available |

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

14.1 UN number: UN3082

14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(alpha-Cedrene, 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid))

14.3 Transport hazard class(es): 9

Sub Risk: -

14.4. Packing Group: III

14.5 Environmental hazards: This is an environmentally hazardous substance.

14.6 Special precautions for user: None additional

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

Not applicable

Section 15. Regulatory information

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

None additional

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15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: EH A1=45.38% EH A2=4.44% EH A3=0.43978133% EH C1=50.65% EH C2=4.92% EH C3=0.49216898% EH C4=37.90% SCI 2=46.95% SCI 3=3.42% EDI 2A=47.19% SS 1=11.86%

Total Fractional Values: EH A1=2.20 EH A2=22.52 EH A3=227.39 EH C1=1.97 EH C2=20.31 EH C3=203.18 EH C4=2.64 SCI 2=2.13 SCI 3=29.22 EDI 2A=2.12 SS 1=8.43

Key to revisions:

Not applicable

Key to abbreviations:

| Abbreviation | Meaning |
|--------------|--|
| AH 1 | Aspiration Hazard Category 1 |
| ATD 4 | Acute Toxicity - Dermal Category 4 |
| ATD 5 | Acute Toxicity - Dermal Category 5 |
| ATO 4 | Acute Toxicity - Oral Category 4 |
| ATO 5 | Acute Toxicity - Oral Category 5 |
| EDI 2A | Eye Damage / Irritation Category 2A |
| EDI 2B | Eye Damage / Irritation Category 2B |
| EH A1 | Hazardous to the Aquatic Environment - Acute Hazard Category 1 |
| EH A2 | Hazardous to the Aquatic Environment - Acute Hazard Category 2 |
| EH A3 | Hazardous to the Aquatic Environment - Acute Hazard Category 3 |
| EH C1 | Hazardous to the Aquatic Environment - Long-term Hazard Category 1 |
| EH C2 | Hazardous to the Aquatic Environment - Long-term Hazard Category 2 |
| EH C3 | Hazardous to the Aquatic Environment - Long-term Hazard Category 3 |
| FL 3 | Flammable Liquid, Hazard Category 3 |
| FL 4 | Flammable Liquid, Hazard Category 4 |
| 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. |

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| | |
|--------------|--|
| 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. |
| P210 | Keep away from heat, sparks, open flames and hot surfaces. - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical, ventilating and lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing vapour or dust. |
| P264 | Wash hands and other contacted skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/eye protection/face protection. |
| P301/310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P301/312 | IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. |
| P302/352 | IF ON SKIN: Wash with plenty of soap and water. |
| P303/361/353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312 | Call a POISON CENTRE or doctor/physician if you feel unwell. |
| P330 | Rinse mouth. |
| P331 | Do not induce vomiting. |
| P332/313 | If skin irritation occurs: Get medical advice/attention. |
| P333/313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337/313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P363 | Wash contaminated clothing before reuse. |
| P370/378 | In case of fire: Use carbon dioxide, dry chemical, foam for extinction. |
| P391 | Collect spillage. |
| P403/235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to approved disposal site, in accordance with local regulations. |
| SCI 2 | Skin Corrosion / Irritation Category 2 |
| SCI 3 | Skin Corrosion / Irritation Category 3 |
| SS 1B | Sensitization - Skin Category 1B |

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.