

Printed on 18 Apr 2024

GHS: According to 2015/830/EU

Code Number 747473

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Section 1. I dentification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name ARTEMAL
Code Number 747473

Alternative Name

REACH Reg No Not registered

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

1.3 Details of the supplier of the safety data sheet

Fraterworks

P. O. Box 46009 Park Avenue Lower Hutt 5044 New Zealand

Telephone Number Tel No. +6448893800 Email Address info@fraterworks.com

1.4 Emergency Tel No Emergency No. +6448893800

Section 2. Hazard Identification

2.1 Classification of the substance or mixture

AH 1 Aspiration hazard, category 1
SCI 2 Skin corrosion/irritation, category 2
SS 1B Skin sensitisation, category 1B
EDI 2A Eye damage/irritation, category 2A
EH A2 Aquatic hazard, acute, category 2
EH C2 Aquatic hazard, chronic, category 2

2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Danger

Hazard Statements

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

H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

P261 Avoid breathing fumes.

P264 Wash hands thoroughly after handling

P280 Wear protective gloves and eye protection

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE.

P333+P313 If skin irritation or rash occurs: Get medical advice.

P337+P313 If eye irritation persists: Get medical attention.

2.3 Other Hazards

Contains Amyl Cinnamal, Benzyl Alcohol, Benzyl Benzoate, Benzyl Salicylate, Citral, Citronellol, Eugenol, Evernia Prunastri (Oak Moss) Extract, Farnesol, Geraniol, Hexyl Cinnamal, Hydroxycitronellal, Isoeugenol, Limonene and Linalool which may produce an allergic reaction

No further information available at this time

Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

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3.2 Mixtures

Complex mixture of fragrance ingredients

Hazardous components

| ID Numbers | Chemical Name, Classification and Hazards | Conc (%) |
|--|--|-----------|
| CAS 5989-27-5 EINECS 227-813-5 REACH | d-Limonene (p-Mentha-1,8-diene) FL 4;AH 1;SCI 2;SS 1B;EH A1,C1 H227,H304,H315,H317,H400,H410 | >=5%,<10% |
| CAS 101-86-0 EINECS 202-983-3 REACH | alpha-Hexyl cinnamic aldehyde (HCA) (2-Hexyl-phenyl-2-propenal) ATO 5(3100); SCI 3; SS 1B; EH C2 H303,H316,H317,H411 | >=5%,<10% |
| CAS 546-80-5 EINECS 208-912-2 REACH | Thujones FL 4;ATO 4(500) H227,H302 | >=3%,<5% |
| CAS 1205-17-0 EINECS 214-881-6 REACH | Helional (Heliogan) (3-(3,4-Methylenedioxyphenyl)-2-methylpropanal) ATO 5(3550); SS 1B; EH A2,C2 H303,H317,H401,H411 | >=3%,<5% |
| CAS 117-98-6 EINECS 204-225-7 REACH | Vetiveryl acetate (Synthetic) SCI 3;SS 1B;EH A2,C2 H316,H317,H401,H411 | >=3%,<5% |
| CAS 76-22-2 EINECS 200-945-0 REACH | Camphor (1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one) FS 2;ATO 4(1500);ATI 4(1.5);STO-SE 2(oral,CNS,kidney);EH A3 H228,H302,H332,H371,H402 | >=1%,<3% |
| CAS 78-70-6 EINECS 201-134-4 REACH | Linalool FL 4;ATO 5(2790);SCI 2;SS 1B;EDI 2A;EH A3 H227,H303,H315,H317,H319,H402 | >=1%,<3% |
| CAS 89-83-8 EINECS 201-944-8 REACH | Thymol ATO 4(980); SCI 1B; EDI 1; EH A2, C2 H302, H314, H318, H401, H411 | >=1%,<3% |
| CAS 80-56-8 EINECS 201-291-9 REACH | Pinenes FL 4;ATO 5(3500);AH 1;SCI 2;SS 1B;EH A1,C1 H227,H303,H304,H315,H317,H400,H410 | >=1%,<3% |
| CAS 107-75-5 EINECS 203-518-7 REACH | Hydroxycitronellal (Laurine, Hydronal, Phixia, Laurinal) SS 1B;EDI 2A H317,H319 | >=1%,<3% |
| CAS 115-95-7 EINECS 204-116-4 REACH | Linalyl acetate FL 4;SCI 2;EDI 2A;EH A3 H227,H315,H319,H402 | >=1%,<3% |
| CAS 470-82-6 EINECS 207-431-5 REACH | Cineols (Eucalyptol) FL 4;ATO 5(2480);SCI 3;SS 1B H227,H303,H316,H317 | >=1%,<3% |

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| CAS 99-85-4 EINECS 202-794-6 REACH | gamma-Terpinene (p-Mentha-1,4-diene) FL 3;ATO 5(3850);SCI 3;AH 1 H226,H303,H304,H316 | >=1%,<3% |
|---|---|------------|
| CAS 99-49-0 EINECS 202-759-5 REACH | Carvone FL 4;ATD 5(3800);SS 1B;EH A2 H227,H313,H317,H401 | >=1%,<3% |
| CAS 127-91-3 EINECS 204-872-5 REACH | beta-Pinene FL 4;AH 1;SCI 2;SS 1B;EH A1,C1 H227,H304,H315,H317,H400,H410 | >=0.1%,<1% |
| CAS 141-25-3 EINECS 205-473-9 REACH | Rhodinols (3,7-Dimethyl-7-octen-1-ol) ATO 5(3800);ATD 5(3600);SCI 2;SS 1;EDI 1;EH A2 H303,H313,H315,H317,H318,H401 | >=0.1%,<1% |
| CAS 79-92-5 EINECS 201-234-8 REACH | Camphene FS 2; SCI 3; EDI 2A; EH A1, C1 H228, H316, H319, H400, H410 | >=0.1%,<1% |

Refer to section 16 for the wording of listed classification and hazard statement codes

Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Flush with plenty of water and seek medical advice if necessary.

After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

- 4.2 Most important symptoms and effects, both acute and delayed No further information available at this time
- 4.3 Indication of immediate medical attention and special treatment needed No further information available at this time

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Section 5. Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder.

DO NOT USE A DIRECT WATER JET.

5.2 Special hazards arising from the substance or mixture May produce Carbon dioxide and unidentified organic compounds.

5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours. Keep containers cool with water spray

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid inhalation, skin and eye contact.

Ensure proper ventilation.

6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vemiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

Section 7. Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place.

7.3 Specific end use(s)

No further information available

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Section 8. Exposure controls / personal protection

8.1 Control Parameters

No information

8.2 Exposure controls

Engineering controls

No information

Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection

Wear safety goggles.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

Thermal hazards

No information

Environmental exposure controls

No information

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 140

9.2 Other information

No further information available

Section 10. Stability and reactivity

10.1 Reactivity

Not determined

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10.2 Chemical Stability

Not determined

10.3 Possibility of hazardous reactions

Not determined

10.4 Conditions to avoid

Extreme temperatures

10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

10.6 Hazardous decomposition products

Not determined

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

alpha-Amyl cinnamic aldehyde (ACA) (2-Pentyl-3-phenyl-2-prop (CAS: 122-40-7)

Oral route: LD50 = 3730 mg/kg

alpha-Hexyl cinnamic aldehyde (HCA) (2-Hexyl-phenyl-2-propen (CAS: 101-86-0)

Oral route: LD50 = 3100 mg/kg

Armoise oil (Artemesia oil) (Mugwort) (CAS: 68991-20-8)

Oral route: LD50 = 700 mg/kg

Coriandrol (Linalool) (3,7-Dimethyl-1,6-octadien-3-ol) (CAS: 78-70-6)

Oral route: LD50 = 2780 mg/kg

Helional (Heliogan) (3-(3,4-Methylenedioxyphenyl)-2-methylpr (CAS: 1205-17-0)

Oral route: LD50 = 3550 mg/kg

Mentha viridis oil (Spearmint oil) (CAS: 8008-79-5)

Oral route: LD50 = 2100 mg/kg Dermal route: LD50 = 4800 mg/kg

Oakmoss absolute IFRA LOW ATRANOL (CAS: 9000-50-4)

Oral route: LD50 = 2900 mg/kg

para- Cresol L(T24/25)=L(C34)=5%; L(Xn21/22)=L(Xi36/38)=1 (CAS: 106-44-5)

Oral route: LD50 = 207 mg/kg Dermal route: LD50 = 300 mg/kg

Rhodinols (3,7-Dimethyl-7-octen-1-ol) (CAS: 141-25-3)

Oral route: LD50 = 3800 mg/kg Dermal route: LD50 = 3600 mg/kg

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Thyme oil, Red (CAS: 8007-46-3)

Oral route: LD50 = 1800 mg/kg

Ylang-ylang oil extra (CAS: 8006-81-3)

Oral route: LD50 = 4300 mg/kg

Skin corrosion / irritation

No data

Serious eye damage / irritation

No data

Respiratory or skin sensitisation

No data

Germ cell mutagenicity

No data

Carcinogenicity

No data

Reproductive toxicity

No data

STO-single exposure

No data

STO-repeated exposure

No data

Aspiration hazard

No data

Information on likely routes of exposure

No data

Symptoms related to the physical, chemical and toxicological characteristics No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

Interactive effects

No data

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Other information

No data

Section 12. Ecological information

12.1 Toxicity

No data available. Avoid soil, surface water and water-bearing stratum contamination.

12.2 Persistence and degradability

No data

12.3 Bioaccumulative potential

No data

12.4 Mobility in soil

No data

12.5 Results of PBT and vPvB assessment

No data

12.6 Other adverse effects

No data available

Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

Section 14. Transport information

14.1 UN number

ADR 3082 IATA 3082 IMDG 3082

14.2 UN proper shipping name

ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LINALOOL)

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LINALOOL)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LINALOOL)

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- 14.3 Transport hazard class(es)
 - ADR 9
 IATA 9
 IMDG 9
- 14.4 Packing group

ADR III
IATA III
IMDG III
Tunnel Code (E)

14.5 Environmental Hazards

No relevant information available

14.6 Special precautions for user

No relevant information available

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

No relevant information available at this time

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

Section 16. Other information

Full list of precautionary phrases

P261 Avoid breathing fumes.

P264 Wash hands thoroughly after handling
P280 Wear protective gloves and eye protection

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P337+P313 If eye irritation persists: Get medical attention.

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| FL 3 | Flammable liquid, category 3 |
|----------------|--|
| FL 4 | Flammable liquid, category 4 |
| FS 2 | Flammable solid, category 2 |
| ATO 3 | Acute toxicity, oral, category 3 |
| ATO 4 | Acute toxicity, oral, category 4 |
| ATO 5 | Acute toxicity, oral, category 5 |
| AH 1 | Aspiration hazard, category 1 |
| ATD 3 | Acute toxicity, dermal, category 3 |
| ATD 4 | Acute toxicity, dermal, category 4 |
| ATD 5 | Acute toxicity, dermal, category 5 |
| SCI 1B | Skin corrosion/irritation, category 1B |
| SCI 2 | Skin corrosion/irritation, category 2 |
| SCI 3 | Skin corrosion/irritation, category 3 |
| SS 1 | Skin sensitisation, category 1 |
| SS 1A | Skin sensitisation, category 1A |
| SS 1B | Skin sensitisation, category 1B |
| EDI 1 | Eye damage/irritation, category 1 |
| EDI 2A | Eye damage/irritation, category 2A |
| EDI 2B | Eye damage/irritation, category 2B |
| ATI 4 | Acute toxicity, inhalation, category 4 |
| MUT 2 | Germ cell mutagenicity, category 2 |
| CAR 2 | Carcinogenicity, category 2 |
| REP 2 | Reproductive toxicity, category 2 |
| STO-SE 2 | Specific target organ, single exposure, category 2 |
| EH A1 | Aquatic hazard, acute, category 1 |
| EH A2 | Aquatic hazard, acute, category 2 |
| EH A3 | Aquatic hazard, acute, category 3 |
| EH C1 | Aquatic hazard, chronic, category 1 |
| EH C2 | Aquatic hazard, chronic, category 2 |
| EH C3 | Aquatic hazard, chronic, category 3 |
| Wording of any | hazard statements listed in section 3 |
| H226 | Flammable liquid and vapour |

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| H228 | Flammable solid |
|------|--|
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H303 | May be harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H313 | May be harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H316 | Causes mild skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H320 | Causes eye irritation |
| H332 | Harmful if inhaled |
| H341 | Suspected of causing genetic defects |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H371 | May cause damage to organs |
| 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 |
| | |