# SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

**THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST**

## 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

**Product identifier**

**Commercial Name:** YARROW OIL
**INCI Name:** ACHILLEA MILLEFOLIUM OIL
**CAS No:** 84082-83-7
**EINECS No:** 282-030-6
**TSCA CAS No:** 8022-07-9
**FEMA:**
**Chemical Name:**
**Botanical Name:** *Achillea millefolium*
**Origin:** U.K

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified use (s):** Essential Oil. Perfume/fragrance material for manufacturing purposes only.

**Details of the supplier of the safety data sheet**

**Company Name:** BAY HOUSE INGREDIENTS
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## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**According to the current IFRA/ IOFI 2020 Labelling Manual and Regulation (EC) No. 1272/2008 (CLP)**

**Symbols:**



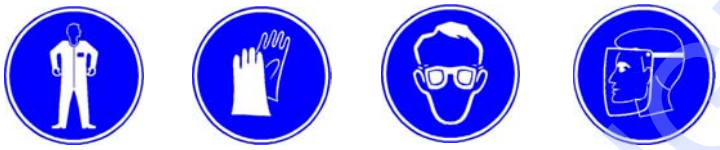
**Signal word:** DANGER

| Hazard Class | Abbreviation | Hazard Category | Hazard Code | Hazard Statement |
|---|---|---|---|---|
| Flammable Liquid | FL | 3 | H226 | Flammable liquid & vapour |
| Aspiration Hazard | AH | 1 | H304 | May be fatal if swallowed and enters airways |
| Skin Corrosion/Irritation | SCI | 2 | H315 | Causes skin irritation |
| Skin Sensitisation | SS | 1 | H317 | May cause an allergic skin reaction |
| Environmental Chronic | EHC | 2 | H411 | Toxic to aquatic life with long lasting effects |

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**UN Global Harmonised System Precautionary Statements (CLP)**

| | **Prevention Statements** |
|---|---|
| P210 | Keep away from heat/sparks/open flames/hot surface. 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 |
| P280 | Wear protective gloves/clothing, eye/face protection |
| P264 | Wash hands thoroughly after handling |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment |



| | **Response Statements** |
|---|---|
| P303/361 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. |
| P302/352 | IF ON SKIN: Wash with plenty of soap and water. |
| P301/310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P333/313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P321/363 | Protective clothing should be washed before reuse |
| P331 | Do NOT induce vomiting. |
| P332/313 | If skin irritation occurs: Get medical advice/attention |
| P362 | Take off contaminated clothing and wash before reuse. |
| P353 | Rinse skin with water/shower. |
| P370/378 | In case of fire: Use carbon dioxide, foam or dry powder for extinction. |
| | |

| | **Storage and Disposal Statements** |
|---|---|
| P403/235 | Store in a well ventilated place. Keep col |
| P405 | Store locked up |
| P501 | Dispose of contents and container in accordance with international regulation |

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## 3. COMPOSITION/INFORMATION ON CONSTITUENTS

**Nature Of Product:** YARROW OIL (100% Pure & Natural)

"Yarrow oil". Achillea Millefolium Oil is the essential oil obtained from the flowering herb of the Yarrow, Achillea millefolium L., Asteraceae

**EINECS No:** 282-030-6 **CAS No:** 84082-83-7 **TSCA CAS No:** 8022-07-9
**FEMA:** **FDA:** **HC (%):** 68

**Constituents:**

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (IFRA/IOFI Labelling Manual 2020 - Classified constituents ≥0.1%, no Aspiration hazard & Flammability)

| CONSTITUENT | CAS NUMBER | <= % | RELEVANT GHS |
|---|---|---|---|
| 1,7,7-Trimethylbicyclo[2.2.1] heptan-2-one | 76-22-2 | 0.3 | STOT SE 2;H371\|Skin Irrit. 2;H315\|Eye Dam. 1;H318\|Aquatic Chronic 2;H411\|Aquatic Acute 2;H401\|Acute Tox. 4 (Oral);H302\|Acute Tox. 4 (Inhalation:dust,mist);H332 |
| 4-Carvomenthenol | 562-74-3 | 0.3 | Acute Tox. 4 (Oral);H302\|Acute Tox. 5 (Dermal);H313\|Skin Irrit. 2;H315\|Eye Irrit. 2B;H320\|STOT SE 3;H336\|Aquatic Acute 2;H401\|Acute Tox. 4 (Inhalation:dust,mist);H332 |
| alpha-Bisabolol | 515-69-5 | 0.3 | Skin Irrit. 2;H315\|Skin Sens. 1B;H317\|Aquatic Acute 2;H401\|Aquatic Chronic 2;H411\|Acute Tox. 4 (Inhalation:dust,mist);H332 |
| alpha-Phellandrene | 99-83-2 | 0.1 | Aquatic Chronic 1;H410\|Aquatic Acute 1;H400 |
| alpha-Pinene | 80-56-8 | 5.0 | Acute Tox. 4 (Oral);H302\|Skin Irrit. 2;H315\|Skin Sens. 1B;H317\|Aquatic Acute 1;H400\|Aquatic Chronic 1;H410 |
| alpha-Terpineol | 98-55-5 | 0.3 | Acute Tox. 5 (Oral);H303\|Skin Irrit. 2;H315\|Eye Irrit. 2A;H319\|Aquatic Acute 2;H401 |
| alpha-Thujone | 546-80-5 | 2.0 | Acute Tox. 4 (Oral);H302 |
| beta - Thujone | 471-15-8 | 0.6 | Acute Tox. 4 (Oral);H302 |
| beta-Caryophyllene | 87-44-5 | 14.0 | Skin Sens. 1B;H317\|Aquatic Chronic 4;H413 |
| beta-Pinene | 127-91-3 | 19.0 | Skin Irrit. 2;H315\|Skin Sens. 1B;H317\|Aquatic Acute 1;H400\|Aquatic Chronic 1;H410 |
| Borneol | 507-70-0 | 0.2 | Skin Irrit. 2;H315\|Aquatic Chronic 2;H411\|Aquatic Acute 2;H401\|Acute Tox. 5 (Oral);H303 |
| Camphene | 79-92-5 | 0.2 | Eye Irrit. 2B;H320\|Aquatic Acute 1;H400\|Aquatic Chronic 1;H410 |
| Caryophyllene oxide | 1139-30-6 | 1.3 | Skin Irrit. 3;H316\|Aquatic Acute 2;H401\|Aquatic Chronic 2;H411 |
| Carvone | 6485-40-1 | 0.2 | Skin Sens. 1B;H317\|Flam. Liq. 4;H227\|Aquatic Acute 2;H401\|Acute Tox. 5 (Oral);H303\|Acute Tox. 5 (Dermal);H313 |
| cis-beta-Ocimene | 3338-55-4 | 0.1 | Acute Tox. 5 (Oral);H303\|Skin Irrit. 2;H315\|Aquatic Acute 1;H400\|Aquatic Chronic 2;H411 |

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## 3. COMPOSITION/INFORMATION ON CONSTITUENTS

| CONSTITUENT | CAS NUMBER | <= % | RELEVANT GHS |
|---|---|---|---|
| Eucalyptol | 470-82-6 | 5.0 | Acute Tox. 5 (Oral);H303\|Skin Sens. 1B;H317\|Eye Irrit. 2B;H320\|Aquatic Acute 3;H402 |
| Farnesol | 4602-84-0 | 0.1 | Skin Sens. 1B;H317\|Skin Irrit. 2;H315\|Eye Irrit. 2A;H319\|Aquatic Chronic 1;H410\|Aquatic Acute 1;H400 |
| Linalool | 78-70-6 | 0.3 | Acute Tox. 5 (Oral);H303\|Skin Irrit. 2;H315\|Eye Irrit. 2A;H319\|Skin Sens. 1B;H317\|Aquatic Acute 3;H402 |
| l-Limonene | 5989-54-8 | 2.0 | Skin Irrit. 2;H315\|Skin Sens. 1B;H317\|Aquatic Acute 1;H400\|Aquatic Chronic 3;H412 |
| Myrcene | 123-35-3 | 0.5 | Skin Irrit. 2;H315\|Eye Irrit. 2A;H319\|Aquatic Acute 1;H400\|Aquatic Chronic 2;H411 |
| Nerolidol (isomer unspecified) | 7212-44-4 | 0,3 | Eye Irrit. 2B;H320\|Skin Sens. 1B;H317\|Aquatic Acute 1;H400\|Aquatic Chronic 1;H410 |
| Nonanal | 124-19-6 | 0.2 | Skin Irrit. 3;H316\|Aquatic Acute 2;H401\|Aquatic Chronic 3;H412 |
| p-Cymene | 99-87-6 | 0.4 | Skin Irrit. 3;H316\|Repr. 2;H361\|Aquatic Chronic 2;H411\|Aquatic Acute 2;H401\|Acute Tox. 5 (Oral);H303 |
| p-Mentha-1,3-diene | 99-86-5 | 0.5 | Acute Tox. 4 (Oral);H302\|Skin Irrit. 3;H316\|Aquatic Acute 2;H401\|Aquatic Chronic 2;H411 |
| p-Mentha-1,4-diene | 99-85-4 | 1.0 | Skin Irrit. 3;H316\|Repr. 2;H361\|Acute Tox. 5 (Oral);H303 |
| Terpinolene | 586-62-9 | 0.2 | Skin Sens. 1B;H317\|Skin Irrit. 3;H316\|Aquatic Chronic 1;H410\|Aquatic Acute 1;H400\|Acute Tox. 5 (Oral);H303 |
| trans beta-Ocimene | 3779-61-1 | 0.3 | Acute Tox. 5 (Oral);H303\|Skin Irrit. 2;H315\|Aquatic Acute 1;H400\|Aquatic Chronic 2;H411 |
| | | | |

**Allergen Constituents Information (7th Amendment Cosmetic Directive 76/768/EEC ): see Fragrance Allergen Certificate.**
Batch analysis may show levels different to those indicated above, where this is available, batch specific analyzed levels can then be used instead of the indicative levels.

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## 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.

**Inhalation:** Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.

**Eye contact:** Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.

**Skin contact:** Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

## 5. FIRE-FIGHTING MEASURES

**Extinguisher:** Use CO2, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.

**Smoke/Fumes:** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO2 (carbon dioxide).

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Safety Precautions:** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)

**Environmental Safety Precautions:** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
Absorb spills into an inert absorbent material (e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

## 7. HANDLING AND STORAGE

**Handling Precautions:** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.

**Storage Precautions:** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.

**Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.

**Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Blue to dark blue liquid |
| **Odour:** | Pungent fatty odour |
| **Flash Point:** | 54ºC |
| **Refractive Index @ 20ºC:** | 1.420 - 1.500 |
| **Relative Density @ 20ºC:** | 0.880 - 0.940 |
| **Solubility in water:** | Insoluble |

## 10. STABILITY AND REACTIVITY

**Thermal stability:** Product is stable at room temperature.
Keep away from any source of ignition.
Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

**Hazardous reactions:** Avoid strong oxidisers, acids and alkalis.

## 11. TOXICOLOGICAL INFORMATION

**Oral LD50:** 5.0g/Kg **This product is NOT intended for oral use.**

**Dermal LD50:** 5.0g/Kg

LD50 dosage levels are only a guideline obtained from historical data, Bay House Ingredients does not test its products on animals.

## 12. ECOLOGICAL INFORMATION

**Ecological effects:** No data available
Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Do not pour into drains or waterways.
Comply with local and national regulations for waste disposal.
Empty containers should be washed thoroughly with detergent before being sent for disposal. Washings should be disposed of as waste.

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## 14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

| | |
|---|---|
| **UN Shipping Name (N.O.S.):** | UN 1169 EXTRACTS, AROMATIC LIQUID |
| **ADR/RID (Road/Rail):** | Class 3 |
| **IMDG/IMO (Sea):** | Class 3 |
| **ICAO/IATA (Air):** | Class 3 |
| **UN Number:** | 1169 |
| **Packing Group:** | III |
| **Subsidiary Risk:** | |
| **Packing Instructions:** | Miscellaneous dangerous substances and articles, transport in suitable container. |

**Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:**

**UN Shipping Name:** UN 1169 EXTRACTS, AROMATIC LIQUID




## 15. REGULATORY INFORMATION

**Product Classification:** YARROW OIL

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

**Classification:**



**DANGER**
**UN 1169**

**Hazard Categories:**

| | |
|---|---|
| **FL 3** | Flammable liquid |
| **AH 1** | May be fatal if swallowed and enters airways |
| **SCI 2** | Causes skin reaction |
| **SS 1** | May cause an allergic skin reaction |
| **EH C2** | Toxic to aquatic life with long lasting effects. |

## 16. ADDITIONAL INFORMATION

**Legal disclaimer:**

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Bay House Ingredients is a Division of Aroma Trading Ltd, Registered No. 2698381, V.A.T. Registration No. 600 516 981 and as such, shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

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