

## Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** Roman Chamomile Essential Oil  
**CAS number:** 8015-92-7  
**EINECS number:** 616-968-8  
**Other names:** Anthemis Nobilis, Ext.  
**INCI name:** Anthemis Nobilis Flower/Leaf/Stem Oil

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Industrial use:** Not known.  
**Professional use:** Air care products; perfumes, fragrances; washing and cleaning products; cosmetics, personal care products.  
**Consumer use:** Air care products; perfumes, fragrances; washing and cleaning products; cosmetics, personal care products.

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Bath and Body Base Ltd  
2A Laurel Way  
Bishop Auckland  
Co. Durham  
DL14 7NF  
**Tel:** 07493 064263  
**Email:** technical@bathandbodybase.com

#### 1.4. Emergency telephone number

**Emergency tel:** 07493 064263

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:** Flam. Liq. 3 – H226  
Asp. Tox. 1 – H304  
Aquatic Chronic 2 – H411

#### 2.2. Label elements

##### Label elements labelling according to Regulation (EC) No 1272/2008 [CLP]

**Hazard statements:** H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H411: Toxic to aquatic life with long lasting effects.  
**Signal words:** DANGER

**Hazard pictograms:**

**Precautionary statements (prevention):**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof equipment.  
 P242: Use non-sparking tools.  
 P243: Take actions to prevent static discharges.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/clothing/eye-protection/face protection.

**Precautionary statements (response):**

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
 P370+P378: In case of fire: Use equipment stated in Section 5.1 to extinguish.  
 P301+P316: IF SWALLOWED: Get emergency medical help immediately.  
 P331: DO NOT induce vomiting.  
 P391: Collect spillage.

**Precautionary statements (storage):**

P403+P235: Store in a well-ventilated place. Keep cool.  
 P405: Store locked up.

**Precautionary statements (disposal):**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**2.3. Other hazards**
**Other hazards:**

All essential oils are highly concentrated so have strong aromas and colour that can stain.

Roman Chamomile Oil is not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

Roman Chamomile Oil does not meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**Section 3: Composition/information on ingredients**
**3.1. Chemical identity of the substance**

**Chemical identity:** Anthemis Nobilis, Ext  
**Common name(s), synonym(s):** Roman Chamomile Oil

**3.2. Substances**
**Mixture/Natural Complex Substance (NCS):**

This is a Natural Complex Substance (NCS). The substance has a natural variability in its composition. It is obtained by steam distillation of the flowers, upper leaves and stems of Anthemis Nobilis.

**Chemical Identity of ingredients:**

Classification according to COMMISSION REGULATION (EU) 2017/542 of 22 March 2017 amending Regulation (EC) No 1272/2008

Major components of this natural complex substance are:

8 to 20% **Isobutyl Angelate** – CAS 7779-81-9, EC 231-941-7: Flam. Liq. 3, H226

3 to 20% **Isoamyl Angelate** – CAS 10482-55-0, EC 233-985-2: Not classified.

3 to 20% **Pinocarvone** – CAS 34413-88-2: not registered.

9 to 13% **Methylallyl Angelate** – CAS 61692-78-2, EC 262-901-7: Not classified.

5 to 12% **3-Methylamyl Angelate** – CAS 53082-58-9, EC 258-350-7: Not classified.

2 to 10%  **$\alpha$ -Pinene** – CAS 80-56-8, EC 201-291-9: Flam. Liq. 3, H226; Acute Tox 4, H302; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410

1 to 8% **trans-Pinocarveol** - CAS 1674-08-4, EC 216-813-0: not registered.

tr to 5% **3-Methylbutyl Isobutyrate** – CAS 2050-01-3, EC 218-078-1: Flam. Liq. 3, H226

tr to 5% **Isobutyl Isobutyrate** – CAS 97-85-8, EC 202-612-5: Flam. Liq. 3, H226; STOT SE 3, H336 (CNS)(Inhalation); Aquatic Chronic 3, H412

tr to 5% **2-Methylallyl Methacrylate** – CAS 816-74-0: Not registered.

tr to 5% **Pentan-2-yl-2-Methylbut-2-enoate** – CAS 63473-51-8: Not registered.

tr to 5% **Isobutyl Methacrylate** – CAS 97-86-9, EC 202-613-0: Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1B, H317; STOT SE, H335 (other: respiratory) (inhalation)

tr to 5% **2-Methylallyl Butanoate** – CAS 7149-29-3, EC 230-474-6: Not registered.

tr to 5% **3-Methylbutyl Isobutyrate** – CAS 2050-01-3, EC 218-078-1: Flam. Liq. 3, H226

tr to 5% **Methyl-2-Butenylangelate** – CAS 61692-77-1, EC 262-900-1: Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens. 1, H317; Aquatic Chronic 2, H411

tr to 3% **2-Methylpentyl Isobutyrate** – CAS 84254-82-0, EC 282-527-8: Not registered.

tr to 3% **3-Methylbutyl Isobutyrate** – CAS 2050-01-3, EC 218-078-1: Flam. Liq. 3, H226

tr to 3% **Isobutyl 2-Methylbutyrate** – CAS 2445-67-2, EC 219-492-5: Flam. Liq. 3, H226

tr to 3% **2-Methyl-2-Butenyl Acetate** – CAS 19248-94-3, EC 242-916-5: Not registered.

tr to 3% **Propyl Angelate** – CAS 53082-57-8, EC 258-349-1: Not registered.

tr to 3% **2-Methyl-2-Butenyl Isobutyrate** – CAS 95654-17-4: Not registered.

tr to 2%  **$\beta$ -Pinene** – CAS 127-91-3, EC 204-872-5: Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic, 1 H410

tr to 1% **p-Cymene** – CAS 99-87-6, EC 202-796-7: Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 (Lung, Oral); Repr. 2, H361 (Treatment related); Aquatic Chronic 2, H411

tr to 1%  **$\beta$ -Myrcene** – CAS 123-35-3, EC 204-622-5: Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 2, H411

## Section 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice:</b>	No special measures required. In the case of accident, or if you feel unwell, seek medical advice immediately (show the label where possible). Show the safety data sheet to the doctor in attendance. Remove and wash contaminated clothing before re-use.
<b>Skin contact:</b>	Immediately wash with water and soap and rinse thoroughly. If skin irritation or rash occurs, seek medical advice/attention.
<b>Eye contact:</b>	Rinse opened eye for several minutes under running water. If irritation occurs, seek medical advice/attention.
<b>Swallowed:</b>	Rinse mouth and then drink plenty of water. Do not give milk or fatty oils. If you feel unwell, seek medical advice (show the label where possible). DO NOT induce vomiting.
<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention immediately.
<b>Self-protection of First Aider:</b>	Use personal protective equipment as described in Section 8 if substance is present.

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

<b>Most important symptoms and effects:</b>	None observed (REACH dossier).
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Immediate/special treatment:</b>	No specific first aid measures noted.
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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Water spray, carbon dioxide, dry chemical powder or appropriate/alcohol-free foam.
<b>Unsuitable extinguishing media:</b>	Full water jet.

### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products:</b>	Produces irritating, toxic and noxious fumes (including carbon monoxide and carbon dioxide), smoke and soot.
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**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

**5.4. Emergency action code**

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical powder or appropriate/alcohol-free foam.

**Unsuitable extinguishing media:** Full water jet.

**Section 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel:** Provide adequate ventilation and keep unprotected persons away. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves. Avoid heat, flames and other sources of ignition. Follow safety measures described in "Handling and Storage" and "Exposure Controls/Personal Protection" sections.

**For emergency responders:** As per non-emergency personnel. Wear an appropriate NIOSH/MSHA approved respirator if mist, vapour or aerosol is generated.

**6.2. Environmental precautions**

**Environmental precautions:** Do not allow material to be released to the environment (soil/surface - or ground water/drains/sewers). Inform respective authorities in case of seepage into water course or sewage system.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Clean up spillage promptly. Remove ignition sources. Absorb with inert, non-combustible, inorganic absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). Do not absorb in sawdust or other combustible absorbents. Sweep up and remove to an approved disposal container. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**6.4. Reference to other sections**

**Reference to other sections:** Take hazard and precautionary phrases (Section 2) and Sections 7, 8 and 13 into account.

**Section 7: Handling and storage****7.1. Precautions for safe handling**

**Protective measures:** Avoid formation of mist and aerosols. Provide appropriate exhaust ventilation at places where mist/aerosols/excessive vapours are formed. Normal measures for preventive fire protection. Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges.

**Advice on general occupational hygiene:**

Use Personal Protective Equipment as described in "Exposure Controls/Personal Protection" section. Do not eat, drink or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage:</b>	Store in original container. Keep container tightly closed in a cool, dry and well-ventilated place.
<b>Packaging:</b>	Refer to Section 16 for safe packaging information.
<b>Incompatibilities:</b>	Refer to Section 10.

**7.3. Specific end use(s)**

**Recommendations:** None specified (as per REACH dossier).

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

<b>Occupational exposure limits:</b>	Not available.
<b>Additional exposure limits under the conditions of use:</b>	Not available.
<b>DNEL/DMEL and PNEC-Values:</b>	Not available.

**8.2. Exposure controls**



<b>Engineering controls:</b>	Provide adequate ventilation according to the conditions of use to keep airborne concentrations low. Handle and store in accordance with good industrial hygiene and safety practices.
<b>PPE – General:</b>	Wear appropriate PPE according to Directive 89/686/EEC. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, using the bathroom and/or smoking. When using, do not eat, drink or smoke. Routinely wash work clothing and protective equipment to remove contaminants.
<b>PPE – Eye/face:</b>	Use tightly sealed protection goggles according to EN166.
<b>PPE – Skin:</b>	<p><b>Hand:</b> Chemical-resistant, impervious gloves complying with an approved standard (EN374) should be worn if handling substance. The quality of the protective gloves resistant to chemicals and the breakthrough time must be chosen as a function of the specific working place concentration and quantity of hazardous substances and length of time of exposure.</p> <p><b>Other:</b> Wear protective clothing (oil resistant apron, closed-toe shoes) according to that recommended by the risk assessment for the product's use.</p>

<b>PPE – Respiratory:</b>	Generally unnecessary in a well-ventilated area. Respiratory protection may be required if excessive airborne contamination occurs.
<b>Environmental exposure control:</b>	Avoid discharge into the environment. Refer to additional information provided in Sections 6 and 7 regarding safe handling and storage to prevent exposure to individuals and/or to the environment. Refer to official regulations (local/government).

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state:</b>	Mobile liquid
<b>Colour:</b>	Pale blue to yellow/green
<b>Odour:</b>	Herbaceous, characteristic
<b>Relative density (specific gravity):</b>	@ 20°C: 0.880 to 0.920
<b>Refractive index:</b>	@ 20°C: 1.430 to 1.460
<b>Optical rotation:</b>	@ 20°C: -20° to +60
<b>Solubility:</b>	@ 20°C: 110mg/L
<b>Boiling point:</b>	@ 101 325 Pa: 178°C
<b>Vapour pressure:</b>	@ 20°C: 291.75 (predicted using values for six components - EPISuite (MPBPVP model))
<b>Freezing point:</b>	@ 101 325 Pa: < -35°C
<b>Flash point:</b>	58 - 61°C (REACH dossier - Pensky Martens Closed Cup method)
<b>Flammability:</b>	The study does not need to be conducted because the substance is a liquid that is known to be stable in contact with air and water at room temperature for prolonged periods of time (days) and it does not contain metals or metalloids; the classification procedure does not need to be applied.
<b>Explosiveness:</b>	The study does not need to be conducted because there are no chemical groups present in the molecule that are associated with explosive properties.
<b>Auto-ignition temperature:</b>	@ 101 325 Pa: 287°C (EC method A.15)
<b>Kinematic viscosity:</b>	No available data (REACH dossier).
<b>Partition coefficient n-octanol/water (log value):</b>	@ 20°C: LogPow = 4.74 - predicted value (based on values for six key components - EPISuite (KOWWIN model)).
<b>Relative vapour density:</b>	No data available (REACH dossier).

### 9.2. Other information

<b>Information with regard to physical hazard classes:</b>	Categories not relevant for the safe use of this substance.
<b>Other safety characteristics:</b>	Categories not relevant for the safe use of this substance.

## Section 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity:</b>	Stable under normal temperature conditions and recommended use.
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**10.2. Chemical stability**

**Chemical stability:** Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** No additional data available; none known based on our knowledge.

**10.4. Conditions to avoid**

**Conditions to avoid:** Keep away from heat sources, open flames and sunlight.

**10.5. Incompatible materials**

**Materials to avoid:** Oxidising agents, strong acids, strong alkalis.

**10.6. Hazardous decomposition product**

**Haz. decomp. products:** No additional data available.

**Section 11: Toxicological information****11.1. Information on toxicological effects**

**Acute toxicity, oral:** GHS criteria not met – rat LD50 >5000mg/kg bw

**Acute toxicity, inhalation:** No study available (REACH dossier).

**Acute toxicity, dermal:** GHS criteria not met – rabbit LD50 >5000mg/kg bw

**Eye irritation:** GHS criteria not met – not classified as irritating to eyes – New Zealand white rabbit.

**Skin irritation:** GHS criteria not met – not classified as irritating to skin – New Zealand white rabbit.

**Skin sensitivity:** GHS criteria not met – not classified as a skin sensitiser – guinea pig, Open Epicutaneous Test.

**Mutagenicity/carcinogenicity:** GHS criteria not met – not mutagenic – Salmonella typhimurium, OECD Guideline 471 (Bacterial Reverse Mutation Assay).

**Fertility/reproduction:** No study available (REACH dossier).

**STOT-single exposure:** No available data (ECHA C&L).

**STOT-repeated exposure:** No available data (ECHA C&L).

**Aspiration hazard:** Classified Asp. Tox. 1 – may cause lung damage if liquid enters airways (due to low viscosity of hydrocarbon content)

**11.2. Information on other hazard classes which relates to endocrine disrupting properties**

**Other hazards:** No information on other hazard classes specified.



**Section 12: Ecological information**
**12.1. Toxicity**

Classified Aquatic Chronic 2, H411. Toxic to aquatic life with long lasting effects

<b>Fish:</b>	No study available (REACH dossier).
<b>Algae:</b>	Study scientifically not necessary/other information available; aquatic toxicity is unlikely to occur as substance is highly insoluble in water.
<b>Aquatic invertebrates:</b>	Study scientifically not necessary/other information available; aquatic toxicity is unlikely to occur as substance is highly insoluble in water.
<b>Microorganisms:</b>	No study available (REACH dossier).
<b>Terrestrial arthropods:</b>	No study available (REACH dossier).

**12.2. Persistence and degradability**

<b>Persistence and degradability:</b>	Readily biodegradable based on QSAR/QSPR prediction for six constituent substances of chamomile oil (UVCB) using EPISuite (BIOWIN model).
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**12.3. Bioaccumulative potential**

<b>Bioaccumulative potential:</b>	Not determined. LogPow (pred.) = 4.74 (may indicate potential for bioaccumulation).
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**12.4. Mobility in soil**

<b>Mobility:</b>	Not determined.
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**12.5. Results of PBT and vPvB assessment**

<b>PBT identification:</b>	The substance is not PBT/vPvB
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**12.6. Endocrine disrupting properties**

<b>Endocrine disrupting properties:</b>	Roman Chamomile Oil is not on the ED-list ( <a href="https://edlists.org/the-ed-lists">https://edlists.org/the-ed-lists</a> ) of endocrine disruptors meaning that it is not a substance identified as an endocrine disruptor at EU level (List I), a substance under evaluation for endocrine disruption under an EU legislation (List II) nor a substance considered, by the evaluating National Authority, to have endocrine disrupting properties (List III).
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**12.7. Other adverse effects**

<b>Other adverse effects:</b>	None specified (REACH dossier).
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**Section 13: Disposal considerations**
**13.1. Waste treatment methods**

<b>Product/packaging disposal:</b>	If empty container retains product residues, all label precautions must be observed. Must not be disposed together with household waste. Return for reuse or dispose according to national or local regulations.
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**Waste treatment – relevant information:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Sewage disposal – relevant information:**

Waste should not be disposed of by release to sewers.

**13.2. Special precautions for landfill and incineration**
**Special precautions for landfill and incineration:**

Waste is suitable for incineration.

**Section 14: Transport information**

**UN number:** 1197

**UN proper shipping name:** Extracts, liquid for flavouring or aroma

**Transport hazard class(es):** 3

**Packaging group:** III

**Transport labels:**


**Environmental hazards:** See Section 2 - IMDG - Marine pollutant

**Special precautions for user:** Dangerous Goods Note  
Tunnel Restriction code: 3 (D/E)

**Maritime transport in bulk according to IMO instruments:** UN 1197 - Extracts, liquid for flavouring or aroma  
Class 3, Group III  
Marine pollutant

**Section 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716).

**15.2. Chemical Safety Assessment**

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

**Section 16: Other information**
**16.1. Other information**
**Packaging:**

Type	Suitability
Glass	Yes
Steel	Yes
Aluminium	Yes
F/HDPE	Yes
Stainless steel drum	Yes

**Shelf life:**

36 months when stored within advised conditions, re-test every 12 months thereafter for a possible further 24 months.

**Other information:**

\* Indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:**

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product.

Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.