

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: Rosemary Tunisian Essential Oil
CAS number: 84604-14-8
EINECS number: 283-291-9
Synonyms: -
INCI name: Rosmarinus Officinalis Leaf/Stem Oil

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

Product uses: Flavours, fragrances

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 under Regulation (EC) No 1272/2008

Class and category of danger: Flammable Liquid, Hazard Category 3
Acute Toxicity - Oral Category 4
Skin Corrosion/Irritation Category 2
Eye Damage/Irritation Category 1
Sensitization - Skin Category 1B
Specific Target Organ Toxicity (Single Exposure) Category 2
Aspiration Hazard Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H371, May cause damage to organs (organs, exposure route).
H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements
Classification under Regulation (EC) No 1272/2008

Hazard statements: H226, Flammable liquid and vapour.
 H302, Harmful if swallowed.
 H304, May be fatal if swallowed and enters airways.
 H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H318, Causes serious eye damage.
 H371, May cause damage to organs (organs, exposure route).
 H411, Toxic to aquatic life with long lasting effects.

Signal word: Danger

M factor: None

Supplemental information: None

Pictograms:



Precautionary statements: 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.
 P260, Do not breathe 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.
 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.
 P309/311, IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
 P310, Immediately call a POISON CENTER or doctor/physician.
 P330, Rinse mouth.
 P331, Do not induce vomiting.
 P333/313, If skin irritation or rash occurs: 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.
 P405, Store locked up.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

2.3. Other hazards

Other hazards: Hydrocarbon concentration %: 47.5000%

Section 3: Composition/information on ingredients
3.1. Substances
Product identity:

Rosemary Oil Tunisian Pure; CAS: 84604-14-8

Contains:

Name	CAS	EC	Max	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Eucalyptol	470-82-6	207-431-5	47.00%	Flam. Liq. 3-Skin Sens.1B; H226-H317,-	oral: ATE = 2480mg/kg bw
Camphor	76-22-2	200-945-0	19.00%	Flam. Sol. 2-Acute Tox.4-Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-STOT SE 2-Aquatic Chronic 2; H228-H302-H315-H318-H332-H371-H411,-	inhalation: ATE = 1.5mg/l (dusts or mists) oral: ATE = 1500mg/kg bw
alpha-Pinene	80-56-8	201-291-9	16.00%	Flam. Liq. 3-Acute Tox.4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H302-H304-H315-H317-H410,-	M = 1 oral: ATE = 500mg/kg bw
beta-Pinene	127-91-3	204-872-5	12.00%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-	M = 1
beta-Caryophyllene	87-44-5	201-746-1	7.00%	Skin Sens. 1B-Asp.Tox 1-Aquatic Chronic 4; H304-H317-H413,-	
Camphene	79-92-5	201-234-8	5.50%	Flam. Sol. 2-Aquatic Acute 1-Aquatic Chronic 1;H228-H410-H320,-	M = 1
l-Limonene	5989-54-8	227-815-6	3.00%	Flam. Liq. 3-Skin Irrit.2-Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-	M = 1
l-Borneol	464-45-9	207-353-1	2.50%	Flam. Sol. 1-Skin Irrit.2; H228-H315,-	
Linalool	78-70-6	201-134-4	2.00%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-	oral: ATE = 2790mg/kg bw
alpha-Terpineol	98-55-5	202-680-6	1.50%	Skin Irrit. 2-Eye Irrit. 2; H315-H319,-	oral: ATE = 4300mg/kg bw
p-Cymene	99-87-6	202-796-7	1.50%	Flam. Liq. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2;H226-H304-H361-H411,-	oral: ATE = 4750mg/kg bw
Myrcene	123-35-3	204-622-5	1.50%	Flam. Liq. 3-Skin Irrit.2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2; H226-H304-H315-H319-H400-H411,-	M = 1
p-Mentha-1,4-diene	99-85-4	202-794-6	1.00%	Flam. Liq. 3-Repr. 2-Asp. Tox 1; H226-H304-H361,-	oral: ATE = 3850mg/kg bw
Eugenol	97-53-0	202-589-1	1.00%	Eye Irrit. 2-Skin Sens.1B; H317-H319,-	oral: ATE = 2500mg/kg bw

Terpinolene	586-62-9	209-578-0	0.20%	Skin Sens. 1B-Asp.Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H304-H317-H410,-	M = 1 oral: ATE = 3775mg/kg bw
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Substances with community workplace exposure limits:

Name	CAS	EC	Max	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Camphor	76-22-2	200-945-0	19.00%	Flam. Sol. 2-Acute Tox.4-Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-STOT SE 2-Aquatic Chronic 2;H228-H302-H315-H318-H332-H371-H411,-	inhalation: ATE = 1.5mg/l (dusts or mists) oral: ATE = 1500mg/kg bw

Section 4: First aid measures
4.1. Description of first aid measures

Skin exposure:	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Eye exposure:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Inhalation:	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

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

Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause damage to organs (organs, exposure route).

4.3. Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Fire-fighting 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.
Do not eat, drink or smoke when using this product.

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)

Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8: Exposure controls/personal protection
8.1. Control parameters
Workplace exposure limits:

Component	CAS	EC	Description	Value
Camphor	76-22-2	200-945-0	Long-term exposure limit (8-hour TWA) (ppm)	2
			Long-term exposure limit (8-hour TWA) (mg/m ³)	13
			Short-term exposure limit (15-minute) (ppm)	3
			Short-term exposure limit (15-minute) (mg/m ³)	19

8.2. Exposure controls

Respiratory protection:	<p>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:</p> <p>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.</p> <p>b) Employ the use of personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters.</p> <p>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.</p> <p>d) Use closed systems for transferring and processing this material.</p>
Eye/skin protection:	Wear protective gloves/eye protection/face protection.
Other:	Also refer to Sections 2 and 7.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state/colour:	Water white to pale yellow liquid
Odour:	Fresh herby camphoraceous
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	40°C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.9000 - 0.9200
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2. Other information

Other information:	None available.
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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 product

Not expected.

Section 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity:	Acute Toxicity - Oral Category 4
Acute toxicity oral:	1532
Acute toxicity dermal:	Not applicable
Acute toxicity inhalation:	Not available
Skin corrosion/irritation:	Skin Corrosion/Irritation Category 2
Serious eye damage/irritation:	Eye Damage/Irritation Category 1
Respiratory or skin sensitisation:	Sensitization - Skin Category 1B
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Specific Target Organ Toxicity (Single Exposure) Category 2
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Aspiration Hazard Category 1

Information about hazardous ingredients in the mixture:

Component	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
Camphor	76-22-2	200-945-0	1500	Not available	1.5	Dust/mist mg/l
alpha-Pinene	80-56-8	201-291-9	500	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2. Information on other hazards

Not applicable.

Section 12: Ecological information
12.1. Toxicity

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. Endocrine disrupting properties

Not applicable.

12.7. 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

	UN Number	UN Proper Shipping Name	Transport Hazard Class (es)	Packing Group
UN Model Regulations	UN1197	Extracts, liquid	3	III
IMDG	UN1197	Extracts, liquid (alpha-Pinene) marine pollutant	3	III
ADR, RID, ADN	UN1197	Extracts, liquid	3	III
ICAO TI	UN1197	Extracts, liquid	3	III

Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a marine pollutant under the IMDG Code.

Special precautions for user: None additional.

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.

15.2. Chemical Safety Assessment

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

Section 16: Other information
16.1. Other information

Concentration % Limits: SCI 2=17.39% EDI 1=15.79% EDI 2=5.10% SS 1=2.13% STO-SE 2=52.63% AH 1=21.05% EH C2=6.43% EH C3=0.64267352% EH C4=38.05% EDI 2A=4.96%

Total Fractional Values: SCI 2=5.75 EDI 1=6.33 EDI 2=19.60 SS 1=47.00 STO-SE 2=1.90 AH 1=4.75 EH C2=15.56 EH C3=155.60 EH C4=2.63 EDI 2A=20.15

Other information: * Indicates text in the SDS which has changed since the last revision.

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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.