

MATERIAL SAFETY DATA SHEET

ORGANIC ROSEMARY OIL



SECTION 1: Identification of the substance/mixture and of the company/undertaking
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1.1 Product Identifier

Product Name: Rosemary Oil, Organic

Biological Definition: Rosmarinus Officinalis Leaf Oil is the essential oil obtained from the flowering tops and leaves of the Rosemary,
Rosmarinus officinalis L., Lamiaceae

INCI Name: Rosmarinus Officinalis Leaf Oil

Synonyms & Trade Names: ---

CAS-No: 84604-14-8 / 8000-25-7

EC No.: 283-291-9

EINECS No.: 283-291-9

1.2 Details of the supplier of the safety data sheet

Company Identification:

G. Baldwin & Co.
173 Walworth Road,
LONDON, ENGLAND. SE17 1RW.
Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264
E-mail: info@baldwins.co.uk
Web: www.baldwins.co.uk

1.3. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550
(office hours only)

SECTION 2: Hazards identification
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2.1 Classification of the substance or mixture

Classification (EU 1272/2008)

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Specific target organ toxicity (single exposure), Category 2 (STOT SE 2, H371).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:

GHS08 GHS09 GHS07 GHS02

Signal word:

Warning

Contains

EC 200-945-0 CAMPHOR L(XN68)=10% X

601-029-00-7 (R)-P-MENTHA-1,8-DIENE

Hazard Statements:

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H371 May cause damage to organs (if swallowed).

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Supplementary Precautionary Statements:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403 + P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards

Adverse physio-chemical properties

No additional data available

Adverse effects on human health

No additional data available

SECTION 3: Composition/information on ingredients
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3.1 Substances

50.0% 1,4-CINEOLE CAS: 470-67-7, EC: 207-428-9 Warning Flam. Liq. 3, H226

20.0% PINENES (ALPHA OR BETA) Dgr Flam. Liq. 3, H226, Asp. Tox. 1, H304, Skin Sens. 1, H317, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

15.0% HYDROCARBONS Danger Asp. Tox. 1, H304

10.0% CAMPHOR CAS: 76-22-2, EC: 200-945-0 -

4.0% CAMPHENE CAS: 79-92-5, EC: 201-234-8 Danger, Flam. Sol. 2, H228, Eye Irrit. 2, H319, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

3.0% BORNEOL CAS: 507-70-0, EC: 208-080-0 Danger, Flam. Sol. 2, H228

3.0% BETA-CARYOPHYLLENE CAS: 87-44-5, EC: 201-746-1 Danger, Asp. Tox. 1, H304

3.0% (R)-P-MENTHA-1,8-DIENE CAS: 5989-27-5, EC: 227-813-5 Warning, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

2.0% ALPHA-TERPINEOL CAS: 98-55-5, EC: 202-680-6 Warning, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Eye Irrit. 2, H319

1.0% LINALOOL CAS: 78-70-6, EC: 201-134-4 Warning, Skin Irrit. 2, H315

1.0% MYRCENE CAS: 123-35-3, EC: 204-622-5 Danger, Flam. Liq. 3, H226,
Asp. Tox. 1, H304, Aquatic Chronic 3, H412

1.0% PARA-CYMENE CAS: 99-87-6, EC: 202-796-7 Danger, Flam. Liq. 3,
H226, Asp. Tox. 1, H304, Aquatic Chronic 2, H411

3.2 Mixtures

EU INCI: N/A

US INCI: N/A

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information

See below for data

Inhalation

Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.

Ingestion

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.

Skin Contact

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5: Fire fighting measures
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5.1 Extinguishing Media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use: water

5.2 Special hazards arising from the substance or mixture.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)

- carbon dioxide (CO₂)

5.3 Advice for fire-fighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions

Consult the safety measures listed under headings 7 and 8.

For non-first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment
(See section 8)

6.2 Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations
(see section 13).

6.3 Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4 References to other sections.

Please refer to Section 8 - Exposure controls/personal protection for further information on personal precautions

Please refer to Section 13 - Disposal Considerations for further information on waste treatment.

SECTION 7: Handling and Storage
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7.1 Precautions for safe handling

Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance.

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.

Never inhale this substance.

Prevent the accumulation of electrostatic charges with connections to earth.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the substance is used.

Never open the packages under pressure.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from food and drink, including those for animals.

Keep away from all sources of ignition – do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

Packaging

Always keep in packaging made of an identical material to the original.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS TWA : STEL : Ceiling : Definition : Criteria :

76-22-2 2ppm 3 ppm - - -

- France (INRS - ED984 :2008) :

CAS VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :

76-22-2 2 12 - - - -

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS TWA : STEL : Ceiling : Definition : Criteria :

76-22-2 2 ppm 3 ppm - - -

8.2 Exposure Controls

Eye protection

Provide eyewash station. Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard

EN374.

Respiratory Equipment

For high concentrations use respiratory equipment.

Hygiene Measures

Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Engineering Measures

Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Liquid

Colour

Light colourless to pale yellow

Odour

Characteristic

Relative Density

0.900 - 0.930

Flash Point (°C)

23°C ≤ PE ≤ 55°C

Refractive Index

1.460 - 1.475

Melting Point (°C)

No additional data available.

Boiling Point (°C)

No additional data available.

Vapour Pressure

No additional data available.

Solubility in Water @20°C

Insoluble in water.

Auto-ignition temperature (°C)

No additional data available.

9.2 Other information

N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

No additional data available

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- Accumulation of electrostatic charges.
- Heating
- Heat
- Flames and hot surfaces

10.5 Incompatible materials

Keep away from: water

10.6 Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION II: Toxicological information
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II.1 Information on toxicological effects.

Acute toxicity:

No toxicological data available for the substances.

Skin corrosion / irritation:

May cause an allergic reaction by skin contact.

May cause damage to organs.

Serious eye damage/irritation:

No additional data available

Respiratory or skin sensitisation:

No additional data available

Germ cell mutagenicity:

No additional data available

Carcinogenicity:

No additional data available

Reproductive toxicity:

No additional data available

STOT-single exposure:

No additional data available

STOT-repeated exposure:

No additional data available

Aspiration hazard:

No additional data available

Other information:

No additional data available

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.2 Persistence and degradability

No additional data available.

12.3 Bio-accumulative potential

No additional data available.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and VPVB assessment

No additional data available.

12.6 Other adverse effects

N/A

SECTION 13: Disposal considerations
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13.1 Waste Treatment Methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste; do not dispose of waste into the environment.

SECTION 14: Transport information
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Warning Icon

Proper Shipping Name

UN1169=EXTRACTS, AROMATIC, LIQUID

UN No. Road

1169

ADR Class

3

Hazard No (ADR)

90 Environmentally hazardous substance

Hazchem Code

F1

UN No. SEA

1169

IMDG Class

3

IMDG Pack Gr.

III

EMS

F-E,S-D

UN No. AIR

1169

Air Class

3

Air Pack Gr.

III

SECTION 15: Regulatory information

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

EU Directives

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European

Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC)

No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and

Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).

Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for

Substances and Preparations

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

15.2 Chemical safety assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other information

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS

Material Safety Data Sheet

INCI

International Nomenclature of Cosmetic Ingredients

CAS

Chemical Abstract Service

IMDG

International Maritime Code for Dangerous Goods

ADR

Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous
Goods by Road)

RID

International Carriage of Dangerous Goods by Rail

ICAO

International Civil Aviation Organization

ADN

International Carriage of Dangerous Goods by Inland Waterways

GHS
Globally Harmonized System of Classification and Labelling of Chemicals

Trem Card
Transport Emergency Card

STOT
Specific Target Organ Toxicity

N/A
Not Available

Hazard and/or Precautionary
Statements in Full

H226 Flammable liquid and vapour.
H228 Flammable solid.
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.
H400 Very toxic 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.

Complies with REACH guidance for SDS as circulated by ECHA 2011.

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