ROBERTET

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Article 31, Latest Amendment

Version number: 11.0 (replaces version: 10.0)
Revision: 12.11.2025
Printing date: 10.12.2025

SECTION 01: Identification of the substance/mixture and of the company/undertaking

1. Product identifier
- Trade name:
  MYRRH EO REFINED
- CAS Number:
  8016-37-3
- EC number:
  284-510-0
- Registration number
  01-2120763990-45-XXXX

2. Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
  Aromatic ingredient(s). Raw material for making perfumes.
- Uses advised against
  not applicable

3. Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  ROBERTET 37 avenue Sidi-Brahim
  BP 52100 F-06131 GRASSE CEDEX
  Tel: +33 (0)4 93 40 33 66 (during normal opening times 8h-18h)
  Fax: +33 (0)4 93 70 68 09
  legis@robertet.com

4. Emergency telephone number:
ORFILA (INRS): + 33 (0)1 45 42 59 59 Poison Control and Toxicovigilance Centers ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0800 59 59 59 LYON: 04 72 11 69 11 MARSEILLE: 04 91 75 25 25 NANCY: 03 83 22 50 50 PARIS: 01 40 05 48 48 STRASBOURG: 03 88 37 37 37, TOULOUSE: 05 61 77 74 47

SECTION 02: Hazards identification

1. Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

GHS07

Acute Tox. 4 - H302 Harmful if swallowed.
Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

- Additional information:
  Full text of H statements: see section 16

2. Label elements
- Labelling according to Regulation (EC) No 1272/2008

- Hazard pictograms

GHS07

- Signal word
  Warning

- Hazard statements
  H302 Harmful if swallowed.
  H412 Harmful to aquatic life with long lasting effects.
  EUH208 Contains d-limonene ((R)-p-mentha-1,8-diène), beta- Caryophyllene. May produce an allergic reaction.

- Precautionary statements
  P264 Wash thoroughly after handling.
  P270 Do not eat, drink or smoke when using this product.

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P273 Avoid release to the environment.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

3. Other hazards

- Results of PBT and vPvB assessment
- PBT:
  None of the ingredients is listed.
- vPvB:
  None of the ingredients is listed.
- Determination of endocrine-disrupting properties
  None of the ingredients is listed.

SECTION 03: Composition/information on ingredients

- Chemical characterization
- CAS Number:
  8016-37-3
- EINECS Number:
  284-510-0

- Dangerous components:

CAS Number		%
515-13-9	**Beta elemene** EC number: 610-676-4 Asp. Tox. 1 - H304	**1,00- 5,00**
64-17-5	**ethanol** EC number: 200-578-6 Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; Eye Irrit. 2; H319: C >= 50 %	**0,10- 1,00**
87-44-5	**beta-Caryophyllene** EC number: 201-746-1 Asp. Tox. 1 - H304; Skin Sens. 1B - H317	**0,10- 1,00**
5989-27-5	**d-limonene ((R)-p-mentha-1,8-diène)** EC number: 227-813-5 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Acute 1 - H400 (M=1); Aquatic Chronic 3 - H412	**0,001- 0,10**

SECTION 04: First aid measures

1. Description of first aid measures

- General information:
  Seek immediate medical advice.
- After inhalation:
  Supply fresh air; consult doctor in case of complaints.
- After skin contact:
  Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  Rinse opened eye for several minutes under running water.
- After swallowing:
  Call for a doctor immediately.

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

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No further relevant information available.

3. Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 05: Firefighting measures

1. Extinguishing media
- Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents:
Non applicable

2. Special hazards arising from the substance or mixture
No further relevant information available.

3. Advice for firefighters
No specific advice

SECTION 06: Accidental release measures

1. Personal precautions, protective equipment and emergency procedures
- For non-emergency personnel
Wear protective equipment. Keep unprotected persons away.
- For emergency responders
Wear protective equipment. Keep unprotected persons away.

2. Environmental precautions:
Do not allow to enter sewers/ surface or ground water.

3. Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

4. Reference to other sections
See Section 13 for disposal information.

SECTION 07: Handling and storage

1. Precautions for safe handling
Avoid contact with skin and eyes Wear appropriate protective equipments (gloves, glasses ...)
- Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.

2. Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
Avoid exposure to extreme temperatures. Avoid prolonged contact with certain plastic materials (PVC..)
- Information about storage in one common storage facility:
Not required.
- Further information about storage conditions:
None.

3. Specific end use(s)
No further relevant information available.

SECTION 08: Exposure controls/personal protection

1. Control parameters
- Ingredients with limit values that require monitoring at the workplace:

64-17-5	ethanol		0,10- 1,00 %
VLEP			
	Short-term value	9500	mg/m3

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	5000	ppm
Long-term value	1900	mg/m3
	1000	ppm

- Ingredients with biological limit values:
  No further relevant information available.

2. Exposure controls

- Appropriate engineering controls
  No further data; see item 7.

- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
  Avoid contact with the eyes and skin.
- Eye/face protection
  Safety glasses
- Skin protection
- Protection of hands:
  Only use chemical-protective gloves with CE-labelling of category III.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Respiratory protection:
  Not required.
- Thermal hazards
  No further relevant information available.
- Environmental exposure controls
  No further relevant information available.

SECTION 09: Physical and chemical properties

Information on basic physical and chemical properties	
General Information	
Physical state	Fluid
Form:	Fluid
Odour:	Characteristic
* **Odour threshold:**	Not determined.
Melting point/freezing point:	< -40 °C
Boiling point or initial boiling point and boiling range	> 287 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	>= 100 °C
Auto-ignition temperature:	275 °C EU Method A.15
Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not determined.

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Partition coefficient n-octanol/water (log value)	4,3-7,3 OECD 117
Vapour pressure:	at 25 °C 11,6000 mbar at 20 °C 9,5000 mbar
Density and/or relative density	
Density:	Not determined.
Relative density	0,9900 - 1,0350 (20°C)
Vapour density	Not determined.
Particle characteristics	Not determined.
Other information	No further relevant information available.
Surface tension:	Not determined.
Explosive properties:	The study does not need to be conducted because this complex natural substance does not contain a molecule with a chemical group associated with explosive properties.
Information with regard to physical hazard classes	
Explosives	not applicable
Flammable gases	not applicable
Aerosols	not applicable
Oxidising gases	not applicable
Gases under pressure	not applicable
Flammable liquids	not applicable
Flammable solids	not applicable
Self-reactive substances and mixtures	not applicable
Pyrophoric liquids	not applicable
Pyrophoric solids	not applicable
Self-heating substances and mixtures	not applicable
Substances and mixtures, which emit flammable gases in contact with water	not applicable
Oxidising liquids	not applicable
Oxidising solids	not applicable
Organic peroxides	not applicable
Corrosive to metals	not applicable
Desensitised explosives	not applicable
Other safety characteristics	Not determined.
Evaporation rate	Not determined.

SECTION 10: Stability and reactivity

1. Reactivity
   No further relevant information available.

2. Chemical stability
   Good stability at conditions of use mentionned in point 7 and 10

3. Possibility of hazardous reactions
   Reacts with strong oxidising agents.

4. Conditions to avoid
   Avoid temperatures near the flash point (see Section 9). Avoid contact with oxidizing agents.

5. Incompatible materials:
   No further relevant information available.

6. Hazardous decomposition products:
   No dangerous decomposition products known.

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SECTION 11: Toxicological information

1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity
  Harmful if swallowed.
  Harmful if swallowed.

LD/LC50 values relevant for classification:

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Oral, LD50: 1650 mg/kg (rat,standard acute method)

- Skin corrosion / irritation
  Non Irritant (OECD 439,GLP)

- Serious eye damage / irritation
  Non irritant (OECD 492,GLP)

- Respiratory / skin sensitization
  Based on available data, the classification criteria are not met.

- Germ cell mutagenicity
  Non mutagenic (OECD 471,Bact Reverse Mutation Assay,GLP)

- 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
  Based on available data, the classification criteria are not met.

- STOT repeated exposure
  Based on available data, the classification criteria are not met.

- Aspiration hazard
  Based on available data, the classification criteria are not met.

2. Information on other hazards

- Endocrine disrupting properties
  None of the ingredients is listed.

- Other information
  No further relevant information available.

SECTION 12: Ecological information

1. Toxicity

- Aquatic toxicity:

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ErL50-72H (static): 60,371 mg/l (Alga) (P. subcapitata,Freshwater,OECD 201,GLP)
EL50-48H: 14,818 mg/l (Daphnia) (Freshwater,OECD 202,GLP)

2. Persistence and degradability
   Not Readily Biodegradable (Freshwater,OCDE 301F,GLP)
   Harmful to aquatic life with long lasting effects.

3. Bioaccumulative potential
   Not available

4. Mobility in soil
   Not available

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5. Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.

6. Endocrine disrupting properties
   The product does not contain substances with endocrine disrupting properties.

7. Other adverse effects
   No further relevant information available.

SECTION 13: Disposal considerations

1. Waste treatment methods
- Recommendation
  Must be specially treated adhering to official regulations.

- Uncleaned packaging:
- Recommendation:
  Disposal must be made according to official regulations.

SECTION 14: Transport information

1. UN number or ID number

. **ADR**	Void
. **IMDG**	Void
. **IATA**	Void

2. UN proper shipping name

. **ADR**	Void
. **IMDG**	Void
. **IATA**	Void

3. Transport hazard class(es)

. **ADR**	
. **Class**	Void
. **IMDG**	
. **Class**	Void
. **IATA**	
. **Class**	Void

4. Packing group

. **ADR**	Void
. **IMDG**	Void
. **IATA**	Void

5. Environmental hazards:
   Not applicable.

6. Special precautions for user
   Not applicable.

7. Maritime transport in bulk according to IMO instruments
   Not applicable.

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SECTION 15: Regulatory information

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

- REGULATION (EC) No 1907/2006 ANNEX XVII
  Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II
  None of the ingredients is listed.
- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
  None of the ingredients is listed.
- Annex II - REPORTABLE EXPLOSIVES PRECURSORS
  None of the ingredients is listed.
- Regulation (EC) No 273/2004 on drug precursors
  None of the ingredients is listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
  None of the ingredients is listed.

- National regulations:
- Waterhazard class:
  Water hazard class 1 (Self-assessment): slightly hazardous for water.

2. Chemical safety assessment:
   A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

1. Relevant phrases

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H412	Harmful to aquatic life with long lasting effects.

2. Department issuing MSDS:
   Legislation / Regulatory Affair Department

3. Abbreviations and acronyms:
   ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
   RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
   IMDG: International Maritime Code for Dangerous Goods
   IATA: International Air Transport Association
   IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
   ICAO: International Civil Aviation Organisation
   ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
   CAS: Chemical Abstracts Service (division of the American Chemical Society)
   LC50: Lethal concentration, 50 percent
   LD50: Lethal dose, 50 percent
   PBT: Persistent, Bioaccumulative and Toxic
   SVHC: Substances of Very High Concern
   vPvB: very Persistent and very Bioaccumulative

4. Sources
   RIFM Database
   Suppliers Information
   REACH registration dossier
   IFRA/IOFI Labelling Manual

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* • Date of previous version:
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* Data compared to the previous version altered.