

MATERIAL SAFETY DATA SHEET
According to 1907/2006/EC, Article 31, Latest Amendment

48949400

Revision: 07/08/2017
Printing date: 07/08/2017**SECTION 01: Identification of the substance/mixture and of the company/undertaking**

1. Product identifier
 - Trade name:
SHISO EO R22520
 - CAS Number:
68132-21-8
 - EC number:
290-151-0
2. Relevant identified uses of the substance or mixture and uses advised against
 - Application of the substance / the preparation
Aromatic ingredient(s). Industrial use only.
3. Details of the supplier of the safety data sheet
 - Manufacturer/Supplier:
ROBERTET
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. Further information obtainable from:
 - ORFILA (INRS)
 - Emergency telephone number:
+ 33 (0)1 45 42 59 59 (24h/24h ; 7/7)

SECTION 02: Hazards identification

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



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation.
Skin Sens. 1B - H317 May cause an allergic skin reaction.

GHS09

Aquatic Chronic 2 - H411 Toxic 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



GHS08



GHS07



GHS09

- Signal word
Danger
- Hazard-determining components of labelling:

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beta-Caryophyllene / alpha-Pinene / Citral

- Hazard statements
 - H304 May be fatal if swallowed and enters airways.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P264 Wash thoroughly after handling.
 - P272 Contaminated work clothing should not be allowed out of the workplace.
 - P273 Avoid release to the environment.
 - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 - P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- 3. Other hazards
 - Results of PBT and vPvB assessment
 - PBT:
Not applicable.
 - vPvB:
Not applicable.

SECTION 03: Composition/information on ingredients

• Chemical characterization		
• CAS Number:	68132-21-8	
• EINECS Number:	290-151-0	
• Dangerous components:		
CAS Number		%
2111-75-3	Perilla aldehyde	50,00- 75,00
	EC number: 218-302-8	
	Skin Sens. 1B - H317	
5989-27-5	d-limonene ((R)-p-mentha-1,8-diène)	10,00- 20,00
	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, Aquatic Chronic 1 - H410	
78-70-6	Linalool	1,00- 5,00
	EC number: 201-134-4	
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
87-44-5	beta-Caryophyllene	1,00- 5,00
	EC number: 201-746-1	
	Asp. Tox. 1 - H304; Skin Sens.	
	1B - H317	
80-56-8	alpha-Pinene	1,00- 5,00
	EC number: 201-291-9	
	Asp. Tox. 1 - H304; Flam. Liq. 3	
	- H226; Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317; Aquatic Acute 1 -	
	H400, Aquatic Chronic 1 - H410	
5392-40-5	Citral	0,10- 1,00
		<i>(continued on page 3)</i>

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79-92-5	EC number: 226-394-6 Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317 Camphene	0,10- 1,00
97-53-0	EC number: 201-234-8 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 Eugenol	0,10- 1,00
	EC number: 202-589-1 Eye Irrit. 2 - H319, Skin Sens. 1B - H317	

SECTION 04: 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:
If symptoms persist consult doctor.
2. Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
 - 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, sand, extinguishing powder first. In the absence of any other means of extinguishing, water can be used as an extinguishing agent.
 - 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
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

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See Section 13 for disposal information.

*(continued of page 3)***SECTION 07: Handling and storage**

1. Handling:

- 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. Storage:

- Requirements to be met by storerooms and receptacles:
Avoid exposure to extreme temperatures. Avoid prolonged contact with certain plastic materials (PVC..)
- Further information about storage conditions:
None.

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:

• Additional information:

The lists valid during the making were used as basis.

2. Exposure controls

- Personal protective equipment:
 - General protective and hygienic measures:
Avoid contact with the eyes and skin.
 - Respiratory protection: Not required.
 - Protection of hands: Protective gloves
 - Eye protection: Safety glasses
 - Body protection: Protective work clothing

SECTION 09: Physical and chemical properties**Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Fluid
Odour:	Characteristic
pH-value:	Not determined.

Change in condition**Boiling point/Boiling range:** > 35 °C**Flash point:** 74 °C**Flammability (solid, gaseous):** Not applicable.**Ignition temperature:****Decomposition temperature:** Not determined.**Self-igniting:** Not determined.**Danger of explosion:** Not determined.**Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**Vapour pressure:** Not determined.**Density:** Not determined.*(continued on page 5)*

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Specific gravity	0,9100 - 0,9350 (20°C)
Solubility in / Miscibility with water:	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Additional information	Non applicable

SECTION 10: Stability and reactivity

1. Reactivity
No known reaction with water
2. Chemical stability
Good stability at conditions of use mentioned 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.

SECTION 11: Toxicological information

1. Information on toxicological effects
-
 - Skin corrosion / irritation
Not available
 - Serious eye damage / irritation
Not available
 - Respiratory / skin sensitization
Not available
 - Germ cell mutagenicity
Not available
 - Carcinogenicity
Not available
 - Reproductive toxicity
Not available
 - STOT single exposure
Not available
 - STOT repeated exposure
Not available
 - Aspiration hazard
Not available

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1. Toxicity
 - Aquatic toxicity:
Not available
2. Persistence and degradability
Not available
3. Behaviour in environmental systems:
 - Bioaccumulative potential
Not available
 - Mobility in soil
Not available
 - Results of PBT and vPvB assessment
 - PBT:
Not applicable.
 - vPvB:
Not applicable.

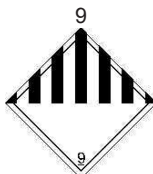
SECTION 13: Disposal considerations

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

- UN-Number
ADR UN3082
IMDG UN3082
IATA UN3082
- UN proper shipping name
ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE SOLUTION)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE SOLUTION)
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE SOLUTION)

- Transport hazard class(es)
ADR
Class 9 (M6) Miscellaneous dangerous substances and articles.
Label



- IMDG**
Class 9 Miscellaneous dangerous substances and articles.

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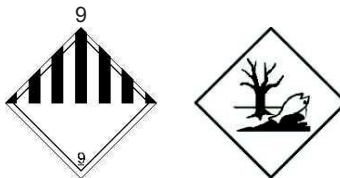
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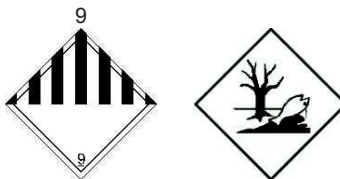
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Label**IATA****Class**

9 Miscellaneous dangerous substances and articles.

Label

- Packing group

ADR III**IMDG** III**IATA** III

- Environmental hazards:

Marine pollutant: Yes

- Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler): 90**EMS Number:** F-A,S-F

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

- Transport/Additional information:

Excepted quantities (EQ): E1**Limited quantities (LQ)** 5L**Transport category** 3**Tunnel restriction code** E**IMDG****Limited quantities (LQ)** 5L**Excepted quantities (EQ)** E1

- UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE SOLUTION), 9, III

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

- National regulations:

- Waterhazard class:
Water hazard class 2 (Self-assessment): hazardous for water.

2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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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

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.
H410	Very toxic 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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

4. Sources

IFRA/IOFI Labelling Manual

- * Data compared to the previous version altered.