



the power
of nature!

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name MANDARIN OIL{B118}

Code Number NAT-11681

Alternative Name

REACH Reg No Not registered

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

Concentrated material for manufacturing purposes only

1.3 Details of the supplier of the safety data sheet

Absolute Aromas
Absolute Aromas Ltd
1 Absolute House
Mill Lane
Alton
Hampshire
GU34 2PX

Telephone Number +44 (0) 1420 540400

Email Address Relax@absolute-aromas.com

1.4 Emergency Tel No +44 (0) 1420 540400

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

FL 3 Flammable liquid, category 3
AH 1 Aspiration hazard, category 1
SCI 2 Skin corrosion/irritation, category 2
SS 1 Skin sensitisation, category 1
EH A1 Aquatic hazard, acute, category 1
EH C1 Aquatic hazard, chronic, category 1

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

CLP Label elements

CLP classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Danger

Hazard Statements

- | | |
|------|--|
| 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 |
| H410 | Very toxic to aquatic life with long lasting effects |

Precautionary Statements

- | | |
|-----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves and eye protection |
| P301+P310 | IF SWALLOWED: Immediately call a poison centre or doctor. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice. |
| P501 | Dispose of contents and container in accordance with Local Environment regulation. |

2.3 Other Hazards

Contains Limonene and Linalool which may produce an allergic reaction

No further information available at this time

3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681
Version 4 Revised 25/07/2018 10:19:05

3.1 Substances

Description MANDARIN OIL{B118}
EC/EINECS 284-521-0
CAS Number 84929-38-4
USCAS Number 8008-31-9

Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) FL 3;SCI 2;SS 1B;AH 1;EH A1,C1 H226,H304,H315,H317,H400,H410	70.0000
CAS 99-85-4 EINECS 202-794-6 REACH	gamma-Terpinene (p-Mentha-1,4-diene) FL 3;AH 1 H226,H304	22.0000
CAS 80-56-8 EINECS 201-291-9 REACH	alpha-Pinene FL 3;SCI 2;SS 1B;AH 1 H226,H304,H315,H317	3.0000
CAS 123-35-3 EINECS 204-622-5 REACH	Myrcene FL 3;AH 1;SCI 2;EDI 2 H226,H304,H315,H319	2.4000
CAS 127-91-3 EINECS 204-872-5 REACH	beta-Pinene FL 3;SCI 2;SS 1B;AH 1 H226,H304,H315,H317	2.0000
CAS 586-62-9 EINECS 209-578-0 REACH	Terpinolene FL 3;AH 1;EH C2 H226,H304,H411	1.2000
CAS 99-86-5 EINECS 202-795-1 REACH	Terpinenes (para-Mentha-1,4-diene) FL 3;ATO 4(1680);AH 1;EH C2 H226,H302,H304,H411	1.0000
CAS 85-91-6 EINECS 201-642-6 REACH	Methyl-n-methyl anthranilate	1.0000
CAS 99-87-6 EINECS 202-796-7 REACH	para-Cymene FL 3;AH 1;EH C2 H226,H304,H411	0.6000
CAS 98-55-5 EINECS 202-680-6 REACH	alpha-Terpineol SCI 2;EDI 2 H315,H319	0.3500
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool EDI 2;SCI 2 H315,H319	0.3500

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

CAS 555-10-2 EINECS 209-081-9 REACH	beta-Phellandrene FL 3; AH 1 H226, H304	0.3000
CAS 87-44-5 EINECS 201-746-1 REACH	Caryophyllene AH 1 H304	0.2500
CAS 124-13-0 EINECS 204-683-8 REACH	Octanal FL 3; SCI 2; EDI 2; EH C3 H226, H315, H319, H412	0.1500
CAS 112-31-2 EINECS 203-957-4 REACH	Decanal SCI 2; EDI 2; EH C3 H315, H319, H412	0.1400
CAS 89-83-8 EINECS 201-944-8 REACH	Thymol ATO 4(980); SCI 1B; EDI 1; EH C2 H302, H314, H318, H411	0.1000

Refer to section 16 for the wording of listed classification and hazard statement codes

4. First Aid measures

Take phrases in sections 2 into account

4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Flush with plenty of water and seek medical advice if necessary.

After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further information available at this time

4.3 Indication of immediate medical attention and special treatment needed

No further information available at this time

5. Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

DO NOT USE A DIRECT WATER JET.

5.2 Special hazards arising from the substance or mixture

May produce Carbon dioxide and unidentified organic compounds.

5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.
Avoid inhalation, skin and eye contact.
Ensure proper ventilation.

6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

7. Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place.

7.3 Specific end use(s)

No further information available

8. Exposure controls / personal protection

8.1 Control Parameters

No information available

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

8.2 Exposure controls

Engineering controls

No information available

Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection

Wear safety goggles.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

Thermal hazards

No information available

Environmental exposure controls

No information available

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 50

Liquid Mobile liquid

Colour Yellow to orange

Aroma Citrus

9.2 Other information

No further information available

10. Stability and reactivity

10.1 Reactivity

Not determined

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

10.2 Chemical Stability

Not determined

10.3 Possibility of hazardous reactions

Not determined

10.4 Conditions to avoid

Extreme temperatures

10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

10.6 Hazardous decomposition products

Not determined

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion / irritation

No data available

Serious eye damage / irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STO-single exposure

No data available

STO-repeated exposure

No data available

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

Aspiration hazard

No data available

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available

Interactive effects

No data available

Other information

No data available

12. Ecological information

12.1 Toxicity

No data available; avoid soil, surface water and water-bearing stratum contamination.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

14. Transport information

- 14.1 UN number 1169
- 14.2 UN proper shipping name EXTRACTS, AROMATIC, LIQUID
- 14.3 Transport hazard class(es) 3
- 14.4 Packing group III
- Tunnel Code (D/E)
- 14.5 Environmental Hazards
No relevant information available
- 14.6 Special precautions for user
No relevant information available
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No relevant information available at this time
- 15.2 Chemical safety assessment
A chemical safety assessment has not been carried out

16. Other information

Full list of precautionary phrases

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection
- P301+P310 IF SWALLOWED: Immediately call a poison centre or doctor.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P501 Dispose of contents and container in accordance with Local Environment regulation.

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.

SAFETY DATA SHEET

Printed on 25 July 2018

CLP: According to 2015/830/EU

Code Number NAT-11681

Version 4 Revised 25/07/2018 10:19:05

Wording of any hazard classes listed in section 3

FL 3	Flammable liquid, category 3
ATO 4	Acute toxicity, oral, category 4
AH 1	Aspiration hazard, category 1
SCI 1B	Skin corrosion/irritation, category 1B
SCI 2	Skin corrosion/irritation, category 2
SS 1B	Skin sensitisation, category 1B
EDI 1	Eye damage/irritation, category 1
EDI 2	Eye damage/irritation, category 2
EH A1	Aquatic hazard, acute, category 1
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3

Wording of any hazard statements listed in section 3

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
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

The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. However, the accuracy of this information cannot be guaranteed by the company as the data has been obtained from different sources. We will not, therefore, accept liability for misuse of this data resulting in damage or loss.