

## SAFETY DATA SHEET

### MANDARIN OIL RED

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name MANDARIN OIL RED  
Product number 330481  
CAS number 84929-38-4

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

Identified uses Concentrated material for manufacturing purposes only.

##### 1.3. Details of the supplier of the safety data sheet

Supplier Ancient Wisdom Marketing Lts  
Block B, Parkwood Business Park  
Sheffield  
South Yorkshire  
S3 8AL  
+44 (0) 114 272 9165

##### 1.4. Emergency telephone number

Emergency telephone +44 (0) 114 272 9165

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

###### Physical hazards

Flam. Liq. 3 - H226

###### Health hazards

Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304

###### Environmental hazards

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

###### Classification (67/548/EEC or 1999/45/EC)

Xn; R65. Xi; R38. N; R50/53. R10, R43

##### 2.2. Label elements

###### Pictogram



Signal word

Danger

Hazard statements

**MANDARIN OIL RED ARGENTINIAN**

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/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Contains**

LIMONENE, p-MENTHA-1,4-DIENE (GAMMA-TERPINENE), PIN-2(3)-ENE (ALPHA-PINENES), MYRCENE , CITRAL

**Supplementary precautionary statements**

P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P321 Specific treatment (see medical advice on this label).  
 P331 Do NOT induce vomiting.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P391 Collect spillage.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with national regulations.

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>LIMONENE</b>	<b>60-100%</b>
CAS number: 138-86-3 EC number: 205-341-0	
M factor (Acute) = 1 M factor (Chronic) = 1	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	Xn; R65. Xi; R38. N; R50/53. R10, R43
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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<b>p-MENTHA-1,4-DIENE (GAMMA-TERPINENE)</b>		<b>10-30%</b>
CAS number: 99-85-4 EC number: 202-794-6		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn; R65. R10	
Asp. Tox. 1 - H304		
<b>PIN-2(3)-ENE (ALPHA-PINENES)</b>		<b>5-10%</b>
CAS number: 80-56-8 EC number: 201-291-9		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xn; R65. Xi; R38. R43	
Skin Sens. 1B - H317		
Asp. Tox. 1 - H304		
<b>MYRCENE</b>		<b>5-10%</b>
CAS number: 123-35-3 EC number: 204-622-5		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn; R65. Xi; R36/38. R10	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Asp. Tox. 1 - H304		
<b>CITRAL</b>		<b>&lt;1%</b>
CAS number: 5392-40-5 EC number: 226-394-6		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi; R36/38. R43	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

##### Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

##### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.

##### Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

##### General information

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.

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

#### Notes for the doctor

No specific recommendations.

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### **SECTION 5: Firefighting measures**

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#### 5.1. Extinguishing media

##### Suitable extinguishing media

Extinguish with the following media: Foam, carbon dioxide or dry powder.

##### Unsuitable extinguishing media

Water.

#### 5.2. Special hazards arising from the substance or mixture

##### Specific hazards

Toxic gases or vapours.

#### 5.3. Advice for firefighters

##### Protective actions during firefighting

Containers close to fire should be removed or cooled with water.

##### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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### **SECTION 6: Accidental release measures**

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#### 6.1. Personal precautions, protective equipment and emergency procedures

##### Personal precautions

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.2. Environmental precautions

##### Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

##### Methods for cleaning up

Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

#### 6.4. Reference to other sections

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### **SECTION 7: Handling and storage**

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#### 7.1. Precautions for safe handling

##### Usage precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.

##### Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

#### 7.3. Specific end use(s)

**MANDARIN OIL RED ARGENTINIAN****SECTION 8: Exposure Controls/personal protection****8.1. Control parameters****Occupational exposure limits****Ingredient comments**

No exposure limits known for ingredient(s).

**8.2. Exposure controls****Protective equipment****Appropriate engineering controls**

Provide adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

**Hygiene measures**

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

**Respiratory protection**

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

**Environmental exposure controls**

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties****Appearance**

Liquid.

**Colour**

Orange. to Red.

**Odour**

Characteristic.

**Flash point**

43°C

**Relative density**

~0.845 @ 20°C

**9.2. Other information****Refractive index**

~1.476 @ 20°C

**MANDARIN OIL RED ARGENTINIAN****SECTION 10: Stability and reactivity****10.1. Reactivity****10.2. Chemical stability****Stability**

Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Will not polymerise.

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials****Materials to avoid**

Strong oxidising agents. Strong acids. Strong alkalis.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Ingestion**

May be fatal if swallowed and enters airways.

**Skin contact**

Causes skin irritation. May cause sensitisation by skin contact.

**SECTION 12: Ecological Information****Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**12.1. Toxicity****Ecological information on ingredients.****LIMONENE****Acute aquatic toxicity****LE(C)<sub>50</sub>**

$0.1 < L(E)C_{50} \leq 1$

**M factor (Acute)**

1

**Chronic aquatic toxicity****M factor (Chronic)**

1

**12.2. Persistence and degradability****Persistence and degradability**

The product is expected to be biodegradable.

**12.3. Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

**12.4. Mobility in soil****Mobility**

The product is insoluble in water.

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### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### **Disposal methods**

Dispose of waste product or used containers in accordance with local regulations

## **SECTION 14: Transport information**

### 14.1. UN number

UN No. (ADR/RID)	1169
UN No. (IMDG)	1169
UN No. (ICAO)	1169
UN No. (ADN)	1169

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	EXTRACTS, AROMATIC, LIQUID
Proper shipping name (IMDG)	EXTRACTS, AROMATIC, LIQUID
Proper shipping name (ICAO)	EXTRACTS, AROMATIC, LIQUID
Proper shipping name (ADN)	EXTRACTS, AROMATIC, LIQUID

### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

**MANDARIN OIL RED ARGENTINIAN****14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant



Yes.

**14.6. Special precautions for user**

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance**

Workplace Exposure Limits EH40.

**15.2. Chemical safety assessment**

**MANDARIN OIL RED ARGENTINIAN****SECTION 16: Other information****Key literature references and sources for data**

European Chemicals Agency, <http://echa.europa.eu/>

**Issued by** Regulatory Manager

**Revision date** 26/05/2015

**Revision** 0

**Risk phrases in full**

R10 Flammable.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

**Hazard statements in full**

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.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.