



SAFETY DATA SHEET
TRADE NAME: MANDARIN OIL RED
SICILIAN

REVISION: 01.11.2016

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Trade Name	MANDARIN OIL RED SICILIAN
	EINECS CAS NUMBER	84929-38-4
	CAS NUMBER	8008-31-9
	EC NUMBER	284-521-0
1.2	Relevant Identified Uses of the Substance or Mixture	Manufacturing.
	Uses Advised Against	None in particular.
1.3	Details of the Supplier of the Safety Data Sheet	The Soap Kitchen Unit 8 Caddsdow Industrial Park, Clovelly Road, Bideford, Devon EX39 3DX Tel: 01237 420872 (+44 (0)1237 420872) Email: it@thesoapkitchen.co.uk
1.4	Further Information Obtainable from	The SoapKitchen
1.5	Emergency Telephone Number	01264 355504

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Regulation (EC) No. 1272/2008 (CLP)	Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. Adverse physicochemical, human health and environmental effects: No data available.
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2.2 Label Elements:

Regulation (EC) No. 1272/2008 (CLP):

Signal Word	DANGER
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Hazard Pictograms:



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:

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

2.3 Other Hazards:

Results of PBT/vPvB Assessment	No data available to conclude presence of PBT.
Other Hazards	None specified.

3 Composition/Information on Ingredients

3.1	Chemical Characterisation	MANDARIN OIL RED SICILIAN
	EINECS CAS Number	84929-38-4
	CAS Number	8008-31-9
	EC Number	284-521-0

3.2 Contains:

Quantity %	Name	Ident. No.	CLP Classification	Contains
70-80	Limonene	CAS: 5989-27-5 EC: 227-813-5	2.6/3; 3.2/2; 3.4.2/1; 4.1/A1; 4.1/C1 H226; H315; H317; H400; H410	May produce an allergic reaction.
12.5-15	g-Terpinene	CAS: 99-85-4 EC: 202-794-6	2.6/3; 3.10/1 H226; H304	
3-5	Pinenes		3.4.2/1; 4.1/A1; 4.1/C1 H317; H400; H410	May produce an allergic reaction.
1-3	Myrcene	CAS: 123-35-3 EC: 204-622-5	4.1/C3 H412	

The full text of all Hazard Statements is displayed in Section 16.

4 First Aid Measures

4.1	Description of First Aid Measures	First Aiders should wear protective equipment when assisting victim.
	Skin Contact	Areas of the body that have – or are only even suspected of having – come into contact with the product must be rinsed immediately with plenty of running water and possible with soap. Immediately remove any contaminated clothing, shoes or stockings.
	Eye Contact	Wash immediately with water for at least 10 minutes.
	Ingestion	Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY and present the safety data sheet. Never give anything by mouth to an unconscious person.
	Inhalation	Remove casualty to fresh air and keep warm and at rest. If the person cannot be removed, ventilate the premises. OBTAIN MEDICAL ATTENTION. Loosen tight clothing such as collar, tie, belt or waistband.
4.2	Most Important Symptoms and Effects, Both Acute and Delayed	Skin irritation. Erythema.

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4.3	Indication of Immediate Medical Attention and Special Treatment Needed	In case of accident or feeling unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
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5 Fire-fighting Measures

5.1	Extinguishing Media	Carbon dioxide (CO ₂) or dry chemical fire extinguishers.
	Unsuitable Extinguishing Media	Water jet.
5.2	Special Hazards Arising from the Substance or Mixture	Do not inhale explosion and combustion gases. Burning produces heavy smoke. Vapours may form an explosive mixture with air. Container may explode in the heat of a fire. Cool the containers exposed to the fire with water.
5.3	Advice for Fire-fighters	Move undamaged containers from immediate hazard area if it can be done safely. Use full face, self-contained breathing apparatus and appropriate protective clothing.

6 Accidental Release Measures

6.1	Personal Precautions, Protective Equipment and Emergency Procedures	Remove all sources of ignition. Remove persons to safety. Use a mask, protective, solvent-resistant gloves, safety glasses and protective clothing. See protective measures under Section 7 and Section 8.
6.2	Environmental Precautions	Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose of it following local legislation. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities if required. Eliminate all unguarded flames and possible sources of ignition. Do not smoke.
6.3	Methods and Material for Containment and Cleaning Up	Suitable material for taking up: Dry and inert absorbing material (e.g. vermiculite, sand, earth). Wash with plenty of water. Rapidly recover the product.
6.4	Reference to Other Sections	See also Section 8 and Section 13.

7 Handling and Storage

7.1	Precautions for Safe Handling	Avoid contact with skin and eyes, inhalation of vapours and mists. Do not use empty container before they have been cleaned. Before making transfer operations, assure that there are not any incompatible material residuals in the container. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. Do not smoke while working. Ground all equipment containing the material. Use spark-proof tools and explosion-proof equipment. Do not pressurize, cut, weld, solder or expose empty containers to heat, sparks or open flames. Store in original container. See also Section 8 for recommended protective equipment.
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7.2	Conditions for Safe Storage, Including any Incompatibilities	Keep away from unguarded flame, sparks and heat sources. Avoid direct exposure to sunlight.
	Incompatible Materials	None in particular.
	Instructions as Regards to Storage Premises	Cool and adequately ventilated.
7.3	Specific End Use(s)	None in particular.

8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Work/Hygiene Practices	Good personal hygiene practices should be used. Wash after any contact, before eating and at the end of the work period.
Results of OEL Exposure Assessment	No data available.

8.2 Exposure Controls:

Eye/Face Protection	Not needed for normal use. Operate according to good working practices.
Skin Protection	Use clothing that provides comprehensive protection to the skin, e.g. Cotton, rubber, PVC or viton.
Hand Protection	Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory Protection	Not needed under normal use in well ventilated areas.
Thermal Hazards	No data available.
Environmental Exposure Controls	No data available.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Appearance	Liquid.
Colour	Yellow to red.
Odour	Floral, fruity, sweet.
Odour Threshold	No data available.
pH	Not determined.
Melting Point/Range	No data available.
Boiling Point/Range	No data available.
Flash Point	48°C
Evaporation Rate	No data available.
Flammability (Solid, Gas)	No data available.
Upper/Lower Flammability or Explosive Limits	No data available.
Vapour Density	No data available.
Vapour Pressure	No data available.
Relative Density	No data available.
Water Solubility	No data available.
Lipid Solubility	No data available.
Partition Coefficient (n-octanol/Water)	No data available.
Auto-ignition Temperature	No data available.

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Decomposition Temperature	No data available.
Viscosity	No data available.
Explosive Properties	No data available.
Oxidising Properties	No data available.

9.2 Other Information:

Substance Group Relevant Properties	No data available.
Conductivity	No data available.

10 Stability and Reactivity

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical Stability	Stable under normal conditions.
10.3	Possibility of Hazardous Reactions	Burning produces Carbon monoxide and/or Carbon dioxide.
10.4	Conditions to Avoid	Stable under normal conditions of temperature and pressure. Avoid exposure to heat and flames.
10.5	Incompatible Materials	Avoid contact with combustible materials. The product could catch fire.
10.6	Hazardous Decomposition Products	Burning produces Carbon monoxide (CO) and/or Carbon dioxide (CO ₂).

11 Toxicological Information

11.1 Results of the Toxicological Assessment:

Toxicological Information of the Main Substances in the Preparation	Limonene	LD50 Oral Rat = 4400mg/kg LD50 Skin Rabbit > 2000mg/kg
	g-Terpinene	LD50 Oral Rat = 3650mg/kg
	Results of Skin/Eye Irritation Assessment	No data available.
Results of STOT Exposure Assessment	No data available.	

11.2 Other Relevant Hazard/Effects:

Carcinogenicity	No known health effect for this element.
Mutagenicity	No known health effect for this element.
Reproductive Toxicity	No known health effect for this element.
Irritation	No known health effect for this element.
Corrosivity	No known health effect for this element.
Sensitisation	No data available.
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; Chronic Effects from Short and Long-term Exposure	No data available.
Interactive Effects	No data available.

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12 Ecological Information

12.1	Toxicity	Adopt good working practices, so that the product is not released into the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	Results of Eco-Toxicological Assessment	No data available.
12.2	Persistence and Degradability	No data available.
	Results of Abiotic Degradation and Bio-degradation Assessment	No data available.
12.3	Bioaccumulative Potential	No data available.
	Results of Bioconcentration Factor (BCF) Assessment	No data available.
	Results of Partition Coefficient n-octanol/Water (log KOW) Assessment	No data available.
12.4	Mobility in Soil	No data available.
12.5	Results of PBT and vPvB Assessment	No data available to conclude presence of PBT.

12.6 List of Components with Environmental Hazard Properties:

Quantity %	Name	Ident. No.	Environmental Hazards
70-80	Limonene	CAS: 5989-27-5 EC: 227-813-5	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
3-5	Pinenes		Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
1-3	Myrcene	CAS: 123-35-3 EC: 204-622-5	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13 Disposal Considerations

13.1	Waste Treatment Methods	Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
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14 Transport Information

14.1	UN Number	1169	
14.2	UN Proper Shipping Name	ADR	EXTRACTS, AROMATIC, LIQUID
		IATA	EXTRACTS, AROMATIC, LIQUID
		IMDG	EXTRACTS, AROMATIC, LIQUID
14.3	Transport Hazard Class(es)	ADR	3
		IATA	3
		IMDG	3
14.4	Packing Group	ADR	Exempted for ADR: No Label: N/A Packing Group: III Upper Number: 30 Tunnel Restriction Code: N/A
		IATA	Passenger Aircraft: 309

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			Cargo Aircraft: 310 Label: 3 Packing Group: III Sub Risk: N/A ERG: 3L Special Provisioning: N/A
		IMDG	Packing Group: III Stowage Code: Category: A Stowage Note: N/A Sub Risk: N/A Special Provisioning: N/A Page: N/A Label: 3 EMS: F-E, S-D MFAG: N/A
14.5	Environmental Hazards		Toxic Component Most Present: N/A Toxic Ingredients Quantity: 0.00 High Toxicity Ingredients Quantity: 0.00 Marine Pollutant: N/A Environmental Pollutant: N/A
14.6	Special Precautions for User		Not determined.
14.7	Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code		Not determined.

15 Regulatory Information

15.1	Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture	Dir. 67/548/EEC (Classification, Packaging and Labelling of dangerous substances). Dir. 99/45/EEC (Classification, Packaging and Labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure lime values); Dir. 2006/8/CE. Regulation EC No. 1907/2006 (REACH). Regulation EC No. 1272/2008 (CLP), Regulation EC No. 790/2009. Directive 2003/105/CE ('activities linked to risks of serious accidents') and subsequent amendments. WGK: 2: Hazard to waters.
15.2	Chemical Safety Assessment	Not relevant.

16 Other Information

16.1 Legend to Abbreviations and Acronyms Used in the Safety Data Sheet:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID	Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG	International Maritime Code for Dangerous Goods.
IATA	International Air Transport Association.

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IATA-DGR	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO	International Civil Aviation Organisation.
ICAO-TI	Technical Instructions by the "International Civil Aviation Organisation" (ICAO).
GHS	Globally Harmonised System of Classification and Labelling of Chemicals.
CLP	Classification, Labelling, Packaging.
EINENCS	European Inventory of Existing Commercial Chemical Substances.
INCI	International Nomenclature of Cosmetic Ingredients.
CAS	Chemical Abstracts Service (Division of American Chemical Society).
GefStoffVO	Ordinance on Hazardous Substances, Germany.
LC50	Lethal concentration, for 50% of test population.
LD50	Lethal dose, for 50% of test population.
DNEL	Derived No Effect Level.
PNEC	Predicted No Effect Concentration.
TLV	Threshold Limiting Value.
TWATLV	Threshold Limiting Value for the Time Weighted Average 8-hour day. (ACGIH Standard).
STEL	Short Term Exposure Limit.
STOT	Specific Target Organ Toxicity.
WGK	German Water Hazard class
KSt	Explosion Coefficient.

16.2 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

WARNING/DISCLAIMER:

This MSDS cancels and replaces any preceding release. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. The information contained herein is based on our state of knowledge at the above specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.