

SAFETY DATA SHEET
TRADE NAME: MYRTLE OIL
(5% LOAD)



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

1.1	Trade Name	MYRTLE OIL (5% LOAD)
1.2	Relevant Identified Uses of the Substance or Mixture and Uses Advised Against	No further relevant information available.
	Application of the Substance/ the Preparation	Multiple uses.
1.3	Details of the Supplier of the Safety Data Sheet	Madar Corporation Limited 19 - 20 Sandeheath Industrial Estate Fordingbridge, SP6 1PA TEL: 01425 655555 EMAIL: technical@madarcorporation.co.uk

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Classification According to Regulation (EC) No. 1272/2008:

	GHS02 Flame	Flam. Liq. 3	H226 Flammable liquid and vapour.
	GHS07	Skin Sens. 1	H317 May cause an allergic skin reaction.
		Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label Elements:

Labelling According to Regulation (EC) No. 1272/2008	The product is classified and labelled according to the CLP regulation.
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Hazard Pictograms:



Signal Word	WARNING
Hazard-determining Components of Labelling	Eucalyptol Alpha Pinene d-Limonene Linalool Beta Caryophyllene

Hazard Statements:

H226	Flammable liquid and vapour.
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H317	May cause an allergic skin reaction.
H412	Harmful 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.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards:

Results of PBT Assessment	Not applicable.
Results of vPvB Assessment	Not applicable.

3 Composition/Information on Ingredients**3.1 Chemical Characterisation:**

Mixtures	Description	NCS (UVCB) Constituents Information
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3.2 Hazardous Components:

ID Numbers	Chemical Name, Classification & Hazards	Quantity
CAS: 470-82-6 EC: 207-431-5	Eucalyptol Flam. Liq. 3, H226; Skin Sens. 1B, H317	1-10%
CAS: 80-56-8 EC: 201-291-9	Alpha Pinene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≤1%
CAS: 5989-27-5 EC: 227-813-5	d-limonene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≤1%
CAS: 78-70-6 EC: 201-134-4	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≤1%
CAS: 99-87-6 EC: 202-796-7	p-Cymene Flam. Liq. 3, H226; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 Specific concentration limit: Repr. 2, H361: C ≥3%	≤1%
CAS: 87-44-5 EC: 201-746-1	Beta Caryophyllene Asp. Tox. 1, H304; Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤1%

Additional Information	For the wording of the listed hazard phrases refer to Section 16.
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4 First Aid Measures

4.1	Description of First Aid Measures	Immediately remove any clothing soiled by the product.
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	After Inhalation	Supply fresh air and be sure to call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Supply fresh air.
	After Skin Contact	Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water. If skin irritation continues, consult a doctor.
	After Eye Contact	Rinse opened eye for several minutes under running water.
	After Swallowing	Inform doctor. Do not give milk or fatty oils.
4.2	Most Important Symptoms and Effects, both Acute and Delayed	No further relevant information available.
4.3	Indication of Immediate Medical Attention and Special Treatment Needed	No further relevant information available.

5 Fire-fighting Measures

5.1	Suitable Extinguishing Agents	Carbon dioxide (CO ₂), powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
	Unsuitable Extinguishing Agents	Water with full jet.
5.2	Special Hazards Arising from the Substance or Mixture	Carbon monoxide (CO).
5.3	Advice for Fire-fighters	No special measures required.

6 Accidental Release Measures

6.1	Personal Precautions, Protective Equipment and Emergency Procedures	Wear protective equipment. Keep unprotected persons away.
6.2	Environmental Precautions	Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
6.3	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 Section 13. Ensure adequate ventilation.
6.4	Reference to Other Sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and Storage

7.1	Precautions for Safe Handling	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
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	Information about Fire and Explosion Protection	Keep ignition sources away. Do not smoke. Protect against electrostatic charges.
7.2	Conditions for Safe Storage, Including any Incompatibilities	Store only in unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.
7.3	Specific End Use(s)	No further relevant information available.



8 Exposure Controls/Personal Protection

Additional Information about Design of Technical Facilities	No further data; see Section 7.
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8.1 Control Parameters:

Ingredients with Limit Values that Require Monitoring at the Workplace	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional Information	The lists valid during the making were used as basis.

8.2 Exposure Controls:

Personal Protective Equipment	No information available.				
General Protective and Hygienic Measures	Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.				
Respiratory Protection	Not required.				
Hand Protection	 <p>Protective gloves.</p> <p>The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests, no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.</p>				
	<table border="1"> <tr> <td>Material of Gloves</td> <td>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.</td> </tr> <tr> <td>Penetration Time of Glove Material</td> <td>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</td> </tr> </table>	Material of Gloves	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.	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.
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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.				
Eye Protection	 <p>Tightly sealed goggles.</p>				

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9 Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties:**

Form	Liquid.
Colour	According to product specification.
Odour	Characteristic.
Melting Point/Freezing Point	Undetermined.
Flash Point (Closed Cup – ASTM D6450)	>61°C
Flammability (Solid, Gas)	Not applicable.
Decomposition Temperature	Not determined.
Auto-ignition Temperature	Product is not self-igniting.
Explosive Properties	Not determined.
Lower Explosion Limit	Not determined.
Upper Explosion Limit	Not determined.
Vapour Pressure	Not determined.
Evaporation Rate	Not determined.
Solubility in/Miscibility with Water	Not miscible or difficult to mix.
Other Information	No further relevant information available.

10 Stability and Reactivity

10.1	Reactivity	No further relevant information available.	
10.2	Chemical Stability	Thermal Decomposition/ Conditions to Avoid	No decomposition if used according to specifications.
10.3	Possibility of Hazardous Reactions	No dangerous reactions known.	
10.4	Conditions to Avoid	No further relevant information available.	
10.5	Incompatible Materials	No further relevant information available.	
10.6	Hazardous Decomposition Products	No dangerous decomposition products known.	

11 Toxicological Information**11.1 Information on Toxicological Effects:**

Acute Toxicity	Based on available data, the classification criteria are not met.
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LD/LC50 Values Relevant for Classification:

Alpha Pinene	Oral	LD50	500 mg/kg (ATE).
80-56-8		Acute Toxicity Estimate (ATE)	500 mg/kg (RAT).

11.2 Primary Irritant Effect:

Skin Corrosion/Irritation	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitisation	May cause an allergic skin reaction.

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CMR Effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
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.

12 Ecological Information

12.1	Toxicity	Aquatic Toxicity	No further relevant information available.
12.2	Persistence and Degradability	No further relevant information available.	
12.3	Bioaccumulative Potential	No further relevant information available.	
12.4	Mobility in Soil	No further relevant information available.	
	Ecotoxicological Effects	Remark	Harmful to fish.
		Additional Ecological Information	Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms.
12.5	Results of PBT and vPvB Assessment	Not applicable.	
12.6	Other Adverse Effects	No further relevant information available.	

13 Disposal Considerations**13.1 Waste Treatment Methods:**

Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned Packaging	Disposal must be made according to official regulations.

14 Transport Information

14.1	UN Number ADR, IMDG, IATA	Void.
14.2	UN Proper Shipping Name ADR, IMDG, IATA	Void.
14.3	Transport Hazard Class(es) ADR, IMDG, IATA Class	Void.
14.4	Packing Group ADR, IMDG, IATA	Void.
14.5	Environmental Hazards	Not applicable.
14.6	Special Precautions for User	Not applicable.
14.7	Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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14.8	Transport/Additional Information	Not dangerous according to the above specifications.
	ADR Remarks	Not dangerous.
	IMDG Remarks	Not dangerous.
	ADN Remarks	Not dangerous.
	IATA Remarks	Not dangerous.
14.9	UN "Model Regulation"	Void.

15 Regulatory Information**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**

Directive 2012/18/EU	Named Dangerous Substances – ANNEX I	None of the ingredients is listed.
	Seveso Category	P5c FLAMMABLE LIQUIDS
	Qualifying Quantity (tonnes) for the Application of Lower-tier Requirements	5000 t
	Qualifying Quantity (tonnes) for the Application of Upper-tier Requirements	50000 t
	Regulation (EC) No. 1907/2006 Annex XVII	Conditions of restriction: 3

15.2	Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out.
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16 Other Information**16.1 Relevant Phrases:**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H361	Suspected of damaging fertility or the unborn child.
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.
H413	May cause long lasting harmful effects to aquatic life.

16.2 Abbreviations and Acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG	International Maritime Code for Dangerous Goods.

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IATA	International Air Transport Association.
GHS	Globally Harmonised System of Classification and Labelling of Chemicals.
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
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.
vPvB	Very Persistent and very Bioaccumulative.
Flam. Liq. 3	Flammable liquids, Hazard Category 3.
Acute Tox. 4	Acute toxicity, Hazard Category 4.
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2.
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2.
Skin Sens. 1	Skin sensitisation, Hazard Category 1.
Skin Sens. 1B	Skin sensitisation, Hazard Category 1B.
Repr. 2	Reproductive Toxicity, Hazard Category 2.
Asp. Tox. 1	Aspiration hazard, Hazard Category 1.
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Aquatic Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment – Long-term Aquatic Hazard, Category 1.
Aquatic Chronic 2	Hazardous to the aquatic environment – Long-term Aquatic Hazard, Category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment – Long-term Aquatic Hazard, Category 3.
Aquatic Chronic 4	Hazardous to the aquatic environment – Long-term Aquatic Hazard, Category 4.

WARNING/DISCLAIMER:

The information in this Material Safety Data Sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.