

LAVENDER OIL 40/42 – SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product name	Lavender Oil 40/42
INCI name	Lavandula Angustifolia Flower Oil


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	PureNature
Address	626A Rosebank Road, Avondale Auckland 1026 New Zealand
Telephone	+649 8135619
Website	www.purenature.co.nz
Email	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture	
Classification (67/548/EEC)	No Additional Data Available.
Classification (EU 1272/2008)	Skin Irritation, Category 2 (Skin Irrit. 2, H315). Eye Irritation, Category 2 (Eye Irrit. 2, H319). Skin Sensitisation, Category 1b (Skin Sens. 1b, H317). Hazardous To The Aquatic Environment - Chronic Hazard, Category 2 (Aquatic Chronic 2, H411). This Mixture Does Not Present A Physical Hazard. Refer To The Recommendations Regarding The Other Products Present On The Site..
Label elements; Label in accordance with Regulation (EC) No 1272/2008	
GHS Label:	
Signal word:	Warning
Contains	601-029-00-7 (R)-P-Mentha-1,8-Diene Ec 207-431-5 Eucalyptol.
Hazard Statements:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 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.
Supplementary Precautionary Statements:	P302 + P352 If on skin: wash with plenty of soap and water. P305 + P351 + P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: get medical advice/attention. P391 collect spillage. P501 Dispose of contents/container in accordance with local/regional/national/international regulations
Other Hazards	
Adverse physio-chemical properties	Combustible but should not self-ignite.
Adverse effects on human health	Skin contact may cause irritation/sensitisation.

SAFETY DATA SHEET

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 mixtures:

25-50% LINALOOL CAS-NO.: 78-70-6 EC NO.: 201-134-4

CLASSIFICATION (EC 1272/2008) ACUTE TOX. 5 - H303, SKIN IRRIT. 2 - H315, AQUATIC ACUTE 3 - H402

40-50% LINALYL ACETATE CAS: 115-95-7, EINECS: 204-116-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2, H315; EYE IRRIT. 2, H319

2.5-10% (R)-P-MENTHA-1,8-DIENE CAS: 5989-27-5, EC: 227-813-5

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, AQUATIC ACUTE 1, H400

M ACUTE = 1, AQUATIC CHRONIC 1, H410 M CHRONIC = 1

<2.5% EUCALYPTOL CAS-NO.: 4602-84-0 EC NO.: 225-004-1 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226; SKIN SENS. 1B, H317

<2.5% CAMPHOR CAS: 76-22-2, EC: 200-945-0

CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H332, ACUTE TOX. 4, H302, FLAM. SOL. 2, H228, STOT SE 2, H371

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

General Information	Always remove contaminated clothing immediately.
Inhalation	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Ingestion	Get medical attention immediately. Rinse mouth with water and obtain medical attention.
Skin Contact	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
Eye Contact	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Most important symptoms & effects (acute & delayed)	Inhalation: may cause coughing and difficulties in breathing. Ingestion: irritating to the respiratory tract and may cause damage to the central nervous system. Skin contact: toxic in contact with skin. Eye contact: may cause eye irritation.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing Media	Foam, Co2, Dry Chemical Powder.
Specific hazards	Burning produces irritating, toxic and obnoxious fumes
Protective measures team fire-fighting	Special protective equipment for fire-fighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing.
Environmental	Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.
Methods and material for containment and cleaning up	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.
References to other sections	Please refer to <i>Section 8 - Exposure controls/personal protection</i> for further information on personal precautions. Please refer to <i>Section 13 - Disposal Considerations</i> for further information on waste treatment.

SECTION 7 HANDLING AND STORAGE

Precautions in Handling	Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Prevent spills & leaks to avoid slip hazard. Always wear personal protective clothing (refer to section 8). Do not eat, drink, sniff or smoke whilst handling this product. Provide suitable mechanical equipment for the safe handling of drums & heavy packages.
Conditions for safe storage, including any incompatibilities	Keep the product container tightly closed, in a dry, ventilated area (at temperatures <20°C). Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.
Specific end users	No Data.

SAFETY DATA SHEET

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<p>Control parameters</p>	<p>Occupational exposure limits :</p> <p>- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA</th> <th>STEL</th> <th>Ceiling</th> <th>Definition</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- France (INRS - ED984 :2008) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>VME-ppm</th> <th>VME-mg/m3</th> <th>VLE-ppm</th> <th>VLE-mg/mg3</th> <th>Notes</th> <th>TMP No.</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA</th> <th>STEL</th> <th>Ceiling</th> <th>Definition</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAS	TWA	STEL	Ceiling	Definition	Criteria	76-22-2	2 ppm	3 ppm	-	-	-	CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/mg3	Notes	TMP No.	76-22-2	2 ppm	12	-	-	-	-	CAS	TWA	STEL	Ceiling	Definition	Criteria	76-22-2	2 ppm	3 ppm	-	-	-
CAS	TWA	STEL	Ceiling	Definition	Criteria																																		
76-22-2	2 ppm	3 ppm	-	-	-																																		
CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/mg3	Notes	TMP No.																																	
76-22-2	2 ppm	12	-	-	-	-																																	
CAS	TWA	STEL	Ceiling	Definition	Criteria																																		
76-22-2	2 ppm	3 ppm	-	-	-																																		
<p>Derived no effect level (DNEL) or derived minimum effect level (DMEL): Linalool (CAS: 78-70-6) FINAL USE: WORKERS. EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 16.5 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.8 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 16.5 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.8 MG OF SUBSTANCE/M3 FINAL USE: CONSUMERS. EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 1.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 0.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 1.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 0.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 1.25 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. Occupational exposure limits :</p> <p>- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA</th> <th>STEL</th> <th>Ceiling</th> <th>Definition</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- France (INRS - ED984 :2008) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>VME-ppm</th> <th>VME-mg/m3</th> <th>VLE-ppm</th> <th>VLE-mg/mg3</th> <th>Notes</th> <th>TMP No.</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA</th> <th>STEL</th> <th>Ceiling</th> <th>Definition</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAS	TWA	STEL	Ceiling	Definition	Criteria	76-22-2	2 ppm	3 ppm	-	-	-	CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/mg3	Notes	TMP No.	76-22-2	2 ppm	12	-	-	-	-	CAS	TWA	STEL	Ceiling	Definition	Criteria	76-22-2	2 ppm	3 ppm	-	-	-	<p>Derived no effect level (DNEL) or derived minimum effect level (DMEL): Linalool (CAS: 78-70-6) FINAL USE: CONSUMERS</p>
CAS	TWA	STEL	Ceiling	Definition	Criteria																																		
76-22-2	2 ppm	3 ppm	-	-	-																																		
CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/mg3	Notes	TMP No.																																	
76-22-2	2 ppm	12	-	-	-	-																																	
CAS	TWA	STEL	Ceiling	Definition	Criteria																																		
76-22-2	2 ppm	3 ppm	-	-	-																																		

SAFETY DATA SHEET

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION (cont')

Control parameters	<p>Occupational exposure limits :</p> <p>- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA</th> <th>STEL</th> <th>Ceiling</th> <th>Definition</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- France (INRS - ED984 :2008) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>VME-ppm</th> <th>VME-mg/m3</th> <th>VLE-ppm</th> <th>VLE-mg/mg3</th> <th>Notes</th> <th>TMP No.</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :</p> <table border="1"> <thead> <tr> <th>CAS</th> <th>TWA</th> <th>STEL</th> <th>Ceiling</th> <th>Definition</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>76-22-2</td> <td>2 ppm</td> <td>3 ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAS	TWA	STEL	Ceiling	Definition	Criteria	76-22-2	2 ppm	3 ppm	-	-	-	CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/mg3	Notes	TMP No.	76-22-2	2 ppm	12	-	-	-	-	CAS	TWA	STEL	Ceiling	Definition	Criteria	76-22-2	2 ppm	3 ppm	-	-	-
CAS	TWA	STEL	Ceiling	Definition	Criteria																																		
76-22-2	2 ppm	3 ppm	-	-	-																																		
CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/mg3	Notes	TMP No.																																	
76-22-2	2 ppm	12	-	-	-	-																																	
CAS	TWA	STEL	Ceiling	Definition	Criteria																																		
76-22-2	2 ppm	3 ppm	-	-	-																																		
<p>Derived no effect level (DNEL) or derived minimum effect level (DMEL): Linalool (CAS: 78-70-6) FINAL USE: WORKERS.</p>	<p>EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 16.5 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.8 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 16.5 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.8 MG OF SUBSTANCE/M3 FINAL USE: CONSUMERS. EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 1.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 0.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 1.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: INGESTION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 0.2 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 1.25 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 Occupational exposure limits : EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 1.25 MG/KG BODY WEIGHT/DAY EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 4.1 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 0.7 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 4.1 MG OF SUBSTANCE/M3 EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 0.7 MG OF SUBSTANCE/M3</p>																																						

SAFETY DATA SHEET

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION (cont')

<p>PREDICTED NO EFFECT CONCENTRATION (PNEC): LINALOOL (CAS: 78-70-6)</p>	<p>ENVIRONMENTAL COMPARTMENT: SOIL. PNEC : 0.327 MG/KG ENVIRONMENTAL COMPARTMENT: SOIL. PNEC : 0.327 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: FRESH WATER. PNEC : 0.2 MG/L ENVIRONMENTAL COMPARTMENT: FRESH WATER. PNEC : 0.2 MG/L ENVIRONMENTAL COMPARTMENT: SEA WATER. PNEC : 0.02 MG/L ENVIRONMENTAL COMPARTMENT: SEA WATER. PNEC : 0.02 MG/L ENVIRONMENTAL COMPARTMENT: INTERMITTENT WASTE WATER. PNEC : 2 MG/L ENVIRONMENTAL COMPARTMENT: INTERMITTENT WASTE WATER. PNEC : 2 MG/L ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT. PNEC : 2.22 MG/KG ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT. PNEC : 2.22 MG/KG ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT. PNEC : 0.222 MG/KG ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT. PNEC : 0.222 MG/KG ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENT PLANT. PNEC : 10 MG/L ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENT PLANT. PNEC : 10 MG/L</p>
<p>8.2 Exposure Controls</p>	<p>Eye Protection: wear protective gloves/eye protection/face protection. Hand Protection: wear protective gloves/eye protection/face protection.</p> <p>Respiratory Equipment: under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) increase ventilation of the area with local exhaust ventilation. B) personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. C) use closed systems for transferring and processing this material. Also refer to sections 2 and 7.</p> <p>Hygiene Measures: Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Engineering Measures: none Skin Protection: Wear protective clothing to reduce the risk of skin and eye contact. Personal Protection: Avoid inhalation of the product. Avoid contact with skin and eyes.</p>
<p>Other Protection</p>	<p>Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing : In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with en14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with en13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.</p>
<p>Process conditions</p>	<p>Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & eye bath.</p>
<p>Environmental exposure controls</p>	<p>Avoid discharging into drainage water.</p>

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Pale Yellow
Odour	Characteristic
Relative Density	0.885 @20°C
Flash Point (°C)	71°C
Refractive Index @20°C	Approx 1.40 @20°C
Solubility in Water @20°C	Insoluble in water

SAFETY DATA SHEET

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical stability	Stable under suggested storage conditions (<15°C).
Possibility of hazardous reactions	No
Conditions to avoid	Storage at high temperatures. Do not store above 15°C.
Incompatible materials	Concentrated acids, alkalis & oxidising agents.
Hazardous decomposition products	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	Camphor L(XN68)=10% X (CAS: 76-22-2) Oral route : LD50 = 1500 MG/KG Inhalation route : LC50 = 1.5 MG/L Eucalyptol (CAS: 470-82-6) Oral route : LD50 = 2480 MG/KG Linalool (CAS: 78-70-6) Oral route : LD50 = 2790 MG/KG.
Skin irritation	Considered a skin irritant (route: derm). There may be irritation and redness at site of contact.
Eye irritation	There may be irritation and redness. Eyes will water profusely.
Respiratory or skin sensitisation	On ingestion: there may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. On inhalation: there may be irritation of the throat with a feeling of tightness in the chest.
Germ cell mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive toxicity	Not applicable.
STOT-single exposure	Not applicable.
STOT-repeated exposure	Not applicable.
Aspiration hazard	May be fatal if swallowed and enters airways.
Other information	No data.

SECTION 12 ECOLOGICAL INFORMATION



Toxicity	Aquatic life: very toxic to aquatic life with long lasting effects. Fish/aquatic vertebrates: no additional data available. PNECS: no additional data available.
Persistence and degradability	This material is considered readily biodegradable, therefore does not fulfil the criteria for persistence.
Bio-accumulative potential	Bioaccumulation potential.
Mobility in soil	This material is considered readily biodegradable, therefore simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACH ANNEX ix.
Results of PBT and VPVB assessment	This substance does not meet the pbt/vpnb criteria of reach, ANNEX xiii.
Other adverse effects	Do not allow product to enter streams, sewers or other waterways.

SAFETY DATA SHEET

SECTION 13 DISPOSAL CONSIDERATION

Waste Treatment Methods: Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

SECTION 14 TRANSPORT INFORMATION

UN Shipping Name	Environmentally hazardous substance																																																																																																																																																																																
UN No.	Road: 3082 Sea: 3082 Air: 3082																																																																																																																																																																																
Transport Hazard Class	ARTICLES. IMDG CLASS: 9: miscellaneous dangerous substances and articles. ICAO CLASS/DIVISION: 9: miscellaneous dangerous substances and articles. TRANSPORT LABELS 																																																																																																																																																																																
Packing Group	ADR/RID/ADN PACKING GROUP: III IMDG PACKING GROUP: III ICAO PACKING GROUP: III																																																																																																																																																																																
Environmental Hazards	Environmentally hazardous substance/marine pollutant. 																																																																																																																																																																																
Special Precautions for user	<table border="1"> <thead> <tr> <th colspan="11">ADR/RID</th> </tr> <tr> <th>CLASS</th> <th>CODE</th> <th>PACK GR.</th> <th>LABEL</th> <th>IDENT.</th> <th>LQ</th> <th>PROVIS.</th> <th>EQ</th> <th colspan="2">CAT.</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="11">TUNNEL</td> </tr> <tr> <td>9</td> <td>M6</td> <td>III</td> <td>9</td> <td>90</td> <td>5 L</td> <td>274 335 601</td> <td>E1</td> <td>3</td> <td colspan="2">E</td> </tr> <tr> <th colspan="11">IMDG</th> </tr> <tr> <th>CLASS</th> <th>2°LABEL</th> <th>PACK GR.</th> <th>LQ</th> <th>EMS</th> <th>PROVIS.</th> <th>EQ</th> <th colspan="4"></th> </tr> <tr> <td>9</td> <td>-</td> <td>III</td> <td>5 L</td> <td>F-A,S-F</td> <td>274 335</td> <td>E1</td> <td colspan="4"></td> </tr> <tr> <th colspan="11">IATA</th> </tr> <tr> <th>CLASS</th> <th>2°LABEL</th> <th>PACK GR.</th> <th>PASSAGER</th> <th colspan="2">PASSAGER CARGO</th> <th colspan="2">CARGO</th> <th colspan="3"></th> </tr> <tr> <th>NOTE</th> <th>EQ</th> <th colspan="9"></th> </tr> <tr> <td>9</td> <td>-</td> <td>III</td> <td>964</td> <td>450 L</td> <td>964</td> <td>450 L</td> <td colspan="4">A97 /</td> </tr> <tr> <td>A158</td> <td>E1</td> <td colspan="9"></td> </tr> <tr> <td>9</td> <td>-</td> <td>III</td> <td>Y964</td> <td>30 KG G</td> <td>-</td> <td>-</td> <td colspan="4">A97 /</td> </tr> <tr> <td>A158</td> <td>E1</td> <td colspan="9"></td> </tr> <tr> <td colspan="11">FOR LIMITED QUANTITIES, SEE PART 2.7 OF THE OACI/IATA AND CHAPTER 3.4 OF THE ADR AND IMDG.</td> </tr> <tr> <td colspan="11">FOR EXCEPTED QUANTITIES, SEE PART 2.6 OF THE OACI/IATA AND CHAPTER 3.5 OF THE ADR AND IMDG.</td> </tr> </tbody> </table>	ADR/RID											CLASS	CODE	PACK GR.	LABEL	IDENT.	LQ	PROVIS.	EQ	CAT.			TUNNEL											9	M6	III	9	90	5 L	274 335 601	E1	3	E		IMDG											CLASS	2°LABEL	PACK GR.	LQ	EMS	PROVIS.	EQ					9	-	III	5 L	F-A,S-F	274 335	E1					IATA											CLASS	2°LABEL	PACK GR.	PASSAGER	PASSAGER CARGO		CARGO					NOTE	EQ										9	-	III	964	450 L	964	450 L	A97 /				A158	E1										9	-	III	Y964	30 KG G	-	-	A97 /				A158	E1										FOR LIMITED QUANTITIES, SEE PART 2.7 OF THE OACI/IATA AND CHAPTER 3.4 OF THE ADR AND IMDG.											FOR EXCEPTED QUANTITIES, SEE PART 2.6 OF THE OACI/IATA AND CHAPTER 3.5 OF THE ADR AND IMDG.										
ADR/RID																																																																																																																																																																																	
CLASS	CODE	PACK GR.	LABEL	IDENT.	LQ	PROVIS.	EQ	CAT.																																																																																																																																																																									
TUNNEL																																																																																																																																																																																	
9	M6	III	9	90	5 L	274 335 601	E1	3	E																																																																																																																																																																								
IMDG																																																																																																																																																																																	
CLASS	2°LABEL	PACK GR.	LQ	EMS	PROVIS.	EQ																																																																																																																																																																											
9	-	III	5 L	F-A,S-F	274 335	E1																																																																																																																																																																											
IATA																																																																																																																																																																																	
CLASS	2°LABEL	PACK GR.	PASSAGER	PASSAGER CARGO		CARGO																																																																																																																																																																											
NOTE	EQ																																																																																																																																																																																
9	-	III	964	450 L	964	450 L	A97 /																																																																																																																																																																										
A158	E1																																																																																																																																																																																
9	-	III	Y964	30 KG G	-	-	A97 /																																																																																																																																																																										
A158	E1																																																																																																																																																																																
FOR LIMITED QUANTITIES, SEE PART 2.7 OF THE OACI/IATA AND CHAPTER 3.4 OF THE ADR AND IMDG.																																																																																																																																																																																	
FOR EXCEPTED QUANTITIES, SEE PART 2.6 OF THE OACI/IATA AND CHAPTER 3.5 OF THE ADR AND IMDG.																																																																																																																																																																																	
Transport in bulk according to ANNEX II of marpol73/78 & the IBC code.	Not applicable																																																																																																																																																																																

SAFETY DATA SHEET

SECTION 15 REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.
Chemical Safety Assessment	-

SECTION 16 OTHER INFORMATION

Hazard and/ or precautionary statements in full	H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID. H302 HARMFUL IF SWALLOWED. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H332 HARMFUL IF INHALED. H371 MAY CAUSE DAMAGE TO ORGANS. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
---	---

The information contained in this Safety Data Sheet is obtained from current and reliable sources. PureNature provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Version: 01 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.