



Certificate of Analysis

PRODUCT DETAILS		
Product Name	FIR NEEDLE OIL SIBERIAN	
Product Code	OEFIRNEEDSIBE	
Batch Number	4341706	
Best Before End	November 2021	
Identification	CAS No: 91697-89-1	EINECS No: 294-351-9
	Alternative CAS: 8021-29-2	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Colourless to Pale Yellow	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C	0.890 - 0.915	0.9031
Refractive Index @ 20°C	1.460 - 1.480	1.4698
Optical Rotation °	-45 to -30	-33.5
Flash Point °C	≥40.5	Conforms
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	24 Months unopened and stored as above.	

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. **It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.**



**SAFETY DATA SHEET
FIR NEEDLE OIL SIBERIAN**

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

1.1. Product identifier

Product name	FIR NEEDLE OIL SIBERIAN
Product number	OEFIRNEEDSIBE
Synonyms; trade names	Abies Sibirica Ledeb
CAS number	91697-89-1
Alternative Cas Number	8021-29-2
EC number	294-351-9

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

Identified uses	Industrial, only for professional use
-----------------	---------------------------------------

1.3. Details of the supplier of the safety data sheet

Supplier

MADAR Corporation Limited
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA
Tel. +44 1425 655555 (Opening Hours 9am - 5pm)
e-mail sales@madarcorporation.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 2 - H411
Human health	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Environmental	Toxic to aquatic life with long lasting effects.
Physicochemical	Flammable liquid and vapour

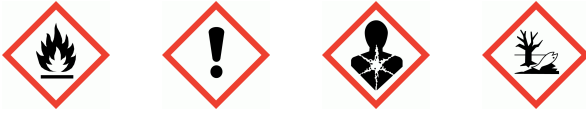
2.2. Label elements

EC number

294-351-9
BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
Tel: 01425 655555 Email: technical@madarcorporation.co.uk

FIR NEEDLE OIL SIBERIAN

Pictogram



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.
 H319 Causes serious eye irritation.
 H411 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.
 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.
 P331 Do NOT induce vomiting.
 P403+P235 Store in a well-ventilated place. Keep cool.

Contains

Alpha Pinene, Delta-3-Carene, (S)-p-mentha-1,8-diene, Beta Pinene, 7-methyl-3-methyleneocta-1,6-diene, a terpinolene

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.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P302+P352 IF ON SKIN: Wash with plenty of 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.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P337+P313 If eye irritation persists: 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.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

FIR NEEDLE OIL SIBERIAN

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Camphene 20-30% CAS number: 79-92-5 EC number: 201-234-8 M factor (Chronic) = 1
Classification Flam. Sol. 1 - H228 Eye Irrit. 2 - H319 Aquatic Chronic 1 - H410
Alpha Pinene 10-20% CAS number: 80-56-8 EC number: 201-291-9 M factor (Acute) = 1 M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Delta-3-Carene 8-20% CAS number: 13466-78-9 EC number: 236-719-3 M factor (Acute) = 1 M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
(S)-p-mentha-1,8-diene 4-9% CAS number: 5989-54-8 EC number: 227-815-6 M factor (Acute) = 1 M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

FIR NEEDLE OIL SIBERIAN

Beta Pinene	1.5-4%
CAS number: 127-91-3	EC number: 242-060-2
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
a terpinolene	<3%
CAS number: 586-62-9	EC number: 209-578-0
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
7-methyl-3-methyleneocta-1,6-diene	<3%
CAS number: 123-35-3	EC number: 204-622-5
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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

FIR NEEDLE OIL SIBERIAN

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Aspiration hazard if swallowed. Do not induce vomiting. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water or use an approved skin cleanser. Continue to rinse for at least 15 minutes and get medical attention.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	Observe risk of aspiration if vomiting occurs.
----------------------------	--

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

Notes for the doctor	No further information available at this time.
-----------------------------	--

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use as appropriate carbon dioxide (CO ₂), dry chemical or foam
Unsuitable extinguishing media	For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear full protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Treat the spilled material according to the instructions in the clean-up section. Wash thoroughly after dealing with a spillage.
-----------------------------	---

6.2. Environmental precautions

Environmental precautions	Prevent run off into drains and waterways. Toxic to aquatic life with long lasting effects. Avoid release to the environment.
----------------------------------	---

6.3. Methods and material for containment and cleaning up

FIR NEEDLE OIL SIBERIAN

Methods for cleaning up Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines. Never return spills in original containers for re-use. Wash spill site after material pick up is complete.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not empty into drains.

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.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Camphene (CAS: 79-92-5)

DNEL	Workers - Inhalation; Long term systemic effects: 110.19 mg/m ³ Workers - Inhalation; Short term systemic effects: 110.19 mg/m ³ Workers - Dermal; Long term systemic effects: 0.21 mg/kg, bw/day Workers - Dermal; Short term systemic effects: 1.25 bw/day, mg/kg General population - Inhalation; Long term systemic effects: 54.3 mg/m ³ General population - Inhalation; Short term systemic effects: 54.3 mg/m ³ General population - Dermal; Long term systemic effects: 0.1 bw/day, mg/kg General population - Dermal; Short term systemic effects: 0.625 bw/day, mg/kg General population - Oral; Long term systemic effects: 0.1 mg/kg, bw/day General population - Oral; Short term systemic effects: 0.625 bw/day, mg/kg
PNEC	- Fresh water; Short term 0.001 mg/l - Intermittent release, Fresh water; 0.001 mg/l - Marine water; Short term 0 mg/l - STP; Short term 10 mg/l - Sediment (Freshwater); Short term 0.026 mg/kg - Sediment (Marinewater); Short term 0.003 mg/kg - Soil; Short term 0.021 mg/kg

Alpha Pinene (CAS: 80-56-8)

DNEL	Workers - Inhalation; Long term systemic effects: 3.8 mg/m ³ Workers - Dermal; Long term systemic effects: 0.54 mg/kg, bw/day General population - Inhalation; Long term systemic effects: 0.67 mg/m ³ General population - Dermal; Long term systemic effects: 0.19 mg/kg, bw/day General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day
-------------	--

FIR NEEDLE OIL SIBERIAN

- PNEC**
- Fresh water; Short term 0.606 mg/l
 - Fresh water, Intermittent release; 3.03 mg/l
 - Marine water; Short term 0.061 mg/l
 - Intermittent release, Marine water; 0.303 mg/l
 - STP; Short term 0.2 mg/l
 - Sediment (Freshwater); Short term 157 mg/kg
 - Sediment (Marinewater); Short term 15.7 mg/kg
 - Soil; Short term 31.7 mg/kg

Delta-3-Carene (CAS: 13466-78-9)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 5.69 mg/m³
 Workers - Dermal; Long term systemic effects: 0.8 mg/kg, bw/day
 General population - Inhalation; Long term systemic effects: 1 mg/m³
 General population - Dermal; Long term systemic effects: 0.3 bw/day, mg/kg
 General population - Oral; Long term systemic effects: 0.3 bw/day, mg/kg

- PNEC**
- Fresh water; Short term 0.44 mg/l
 - Marine water; Short term 0.044 mg/l
 - STP; Short term 3.26 mg/l
 - Sediment (Freshwater); Short term 104 mg/kg
 - Sediment (Marinewater); Short term 10.4 mg/kg
 - Soil; Short term 20.8 mg/kg

Beta Pinene (CAS: 127-91-3)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 5.69 mg/m³
 Workers - Dermal; Long term systemic effects: 0.8 mg/kg, bw/day
 General population - Inhalation; Long term systemic effects: 1 mg/m³
 General population - Dermal; Long term systemic effects: 0.3 bw/day, mg/kg
 General population - Oral; Long term systemic effects: 0.3 mg/kg, bw/day

- PNEC**
- Fresh water; Short term 1.004 mg/l
 - Intermittent release, Fresh water; 5.02 mg/l
 - Marine water; Short term 0.1 mg/l
 - STP; Short term 3.26 mg/l
 - Sediment (Freshwater); Short term 0.337 mg/kg
 - Sediment (Marinewater); Short term 0.034 mg/kg
 - Soil; Short term 0.067 mg/kg

7-methyl-3-methylenoocta-1,6-diene (CAS: 123-35-3)

- DNEL**
- Workers - Dermal; Long term systemic effects: 0.83 mg/kg
 Workers - Inhalation; Long term systemic effects: 5.83 mg/m³
 General population - Dermal; Long term systemic effects: 0.42 mg/kg
 General population - Inhalation; Long term systemic effects: 1.25 mg/m³

- PNEC**
- STP; 0.2 mg/l
 - Soil; 1.015 mg/kg
 - Fresh water; 0.00028 mg/l
 - Marine water; 0.0008 mg/l
 - Sediment (Freshwater); 5.022 mg/kg
 - Sediment (Marinewater); 0.502 mg/kg

a terpinolene (CAS: 586-62-9)

FIR NEEDLE OIL SIBERIAN

DNEL	<p>Workers - Inhalation; Long term systemic effects: 3.6 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 0.52 bw/day, mg/kg</p> <p>General population - Inhalation; Long term systemic effects: 0.9 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 0.26 bw/day, mg/kg</p> <p>General population - Oral; Long term systemic effects: 0.26 bw/day, mg/kg</p>
PNEC	<p>- Fresh water; Short term 0.634 mg/l</p> <p>- Intermittent release, Fresh water; Short term 0.634 mg/l</p> <p>- Marine water; Short term 0.063 mg/l</p> <p>- STP; Short term 0.2 mg/l</p> <p>- Sediment (Freshwater); Short term 14.7 mg/kg</p> <p>- Sediment (Marinewater); Short term 14.7 mg/kg</p> <p>- Soil; Short term 29.1 mg/kg</p>

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide eyewash station Provide adequate ventilation.

Personal protection

Use personal protection according to Directive 89/686/EEC

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

Generally unnecessary in a well ventilated area.
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls

Avoid discharging into drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Characteristic.
Melting point	≤20°C
Initial boiling point and range	177.5°C @ 101.325 kPa
Flash point	≥ 40.5°C
Relative density	0.890 - 0.915 @ 20°C

9.2. Other information

Refractive index	1.460 - 1.480 @ 20°C
Optical Rotation	-45 to -30°C

FIR NEEDLE OIL SIBERIAN

Hydrocarbon Content

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed / indicated.

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Acids. bases Oxidising agents. Reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products When heated to decomposition, it emits acrid smoke, fumes as well as monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

ATE oral (mg/kg) 3,125.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No information available.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological Information

12.1. Toxicity

Acute toxicity - fish LC₅₀, : 5.6 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, : 2.7 mg/l, Freshwater invertebrates

FIR NEEDLE OIL SIBERIAN

12.2. Persistence and degradability

Biodegradation Expected to be readily biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1272
UN No. (IMDG)	1272
UN No. (ICAO)	1272
UN No. (ADN)	1272

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PINE OIL
Proper shipping name (IMDG)	PINE OIL
Proper shipping name (ICAO)	PINE OIL
Proper shipping name (ADN)	PINE OIL

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

FIR NEEDLE OIL SIBERIAN

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code 3Y

Hazard Identification Number 30
(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL 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).

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 31/05/2018

Revision 1

SDS number 5174

Hazard statements in full H226 Flammable liquid and vapour.
H228 Flammable solid.
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.
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.

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.



Product Specification

PRODUCT DETAILS		
Product Name	FIR NEEDLE OIL SIBERIAN	
Product Code	OEFIRNEEDSIBE	
Tariff Number	33012941	
INCI Name	Abies Sibirica Ledeb	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. This product does not contain any solvents or additives.	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	No but can be added	
Halal Certified	We hereby declare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Manufacturing Process	Please request Flowchart	
Identification	CAS No: 91697-89-1	EINECS No: 294-351-9
	Alternative CAS: 8021-29-2	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Colourless to Pale Yellow	
Odour	Characteristic	
Relative Density @ 20°C	0.890 - 0.915	
Refractive Index @ 20°C	1.460 - 1.480	
Optical Rotation °	-45 to -30	
Flash Point °C	≥40.5	
Melting Point °C	≤20°C	
Boiling Point	177.5°C : 101.325 kPa	
Solubility in 90% Ethanol	1:2 (v/v)	
FRAGRANCE ALLERGENS		
Limonene (5989-54-8) 4-9%		
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
NONE PRESENT		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where Global Essence make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.