SAFETY DATA SHEET

In accordance with GB REACH UK SI 2020 No. 1577

REVISION DATE: 08.03.2023

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

1.1 Product Identifier:

Trade Name	**EUCALYPTUS OIL STAIGERIANA**
CAS Number	91771-61-6
EINECS Number	294-963-6
REACH Registration	Exempt < 1 tonne PA

1.2 Relevant Identified Uses of the Substance and Uses Advised Against:

Product Uses	Fragrances, cosmetics, professional use only.
Uses Advised Against	Flavours.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name	**Purple Flame Aromatherapy**
Company Address	Unit 1 Holman Way, Nuneaton, Warwickshire, CV11 4PN
Telephone Number	01676 542542
Email Address	info@purpleflame.co.uk

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Classification Under GB GHS UK SI 2020 No. 1567:

Class and Category of Danger	Flammable Liquid, Hazard Category 3.
	Skin Corrosion/Irritation, Category 2.
	Eye Damage/Irritation, Category 1.
	Sensitisation – Skin, Category 1
	Aspiration Hazard, Category 1.
	Hazardous to the Aquatic Environment – Acute Hazard Category 1.
	Hazardous to the Aquatic Environment – Long-term Hazard Category 1.
	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.
	H318, Causes serious eye damage.
	H410, Very toxic to aquatic life with long-lasting effects.

2.2 Label Elements:

Signal Word	Danger.
M Factor	None.
Supplemental Information	None.

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.
H318	Causes serious eye damage.

H410	Very toxic to aquatic life with long-lasting effects.

Precautionary Statements:

P210	Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE or doctor/physician.
P331	Do not induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+P378	In case of fire: Use Carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazard Pictograms:



2.3 Other Hazards:

Hydrocarbon Concentration	79.5000%

3 Composition/Information on Ingredients

3.1 Substances:

Product Identifier	EUCALYPTUS OIL STAIGERIANA
CAS Number	91771-61-6
EINECS Number	294-963-6

Contains:

Ingredient	Identification Number(s)	Quantity	GB GHS UK SI 2020 No. 1567
d-Limonene	CAS: 5989-27-5 EC: 227-813-5	20-<50%	Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1B; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H226; H304; H315; H317; H410
Citral	CAS: 5392-40-5 EC: 226-394-6	20-<50%	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1 H315; H317; H319
Geranyl acetate	CAS: 105-87-3 EC: 203-341-5	10-<20%	Skin Irrit. 2; Skin Sens. 1B; Aquatic Chronic 3 H315; H317; H412
Terpinolene	CAS: 586-62-9 EC: 209-578-0	10-<20%	Flam. Liq. 3; Skin Sens. 1B; Asp. Tox 1; Aquatic Acute 1; Aquatic Chronic 1 H226; H304; H317; H410
Eucalyptol	CAS: 470-82-6 EC: 207-431-5	10-<20%	Flam. Liq. 3; Skin Sens. 1B H226; H317
alpha-Phellandrene	CAS: 99-83-2 EC: 202-792-5	10-<20%	Flam. Liq. 3; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H226; H304; H410
Geraniol	CAS: 106-24-1 EC: 203-377-1	5-<10%	Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1 H315; H317; H318
beta-Pinene	CAS: 127-91-3 EC: 204-872-5	5-<10%	Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1B; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H226; H304; H315; H317; H410
alpha-Pinene	CAS: 80-56-8 EC: 201-291-9	1-<5%	Flam. Liq. 3; Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1B; Asp. Tox 1, Aquatic Acute 1; Aquatic Chronic 1. H226; H302; H304; H315; H317; H410
p-Cymene	CAS: 99-87-6 EC: 202-796-7	1-<5%	Flam. Liq. 3; Acute Tox. 3; Repr. 2; Asp. Tox. 1; Aquatic Chronic 2 H226; H304; H331; H361; H411
p-Mentha-1,4-diene	CAS: 99-85-4 EC: 202-794-6	1-<5%	Flam. Liq. 3; Repr. 2; Asp. Tox. 1; Aquatic Chronic 2 H226; H304; H361; H411
Linalool	CAS: 78-70-6 EC: 201-134-4	1-<5%	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1B H315; H317; H319
Nerol	CAS: 106-25-2 EC: 203-378-7	1-<5%	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1B H315; H317; H319

Neryl acetate	CAS: 141-12-8 EC: 205-459-2	1-<5%	Skin Sens. 1B H317
Myrcene	CAS: 123-35-3 EC: 204-622-5	1-<5%	Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 2 H226; H304; H315; H319; H400; H411
Terpinen-4-ol	CAS: 562-74-3 EC: 209-235-5	1-<5%	Acute Tox. 4; Acute Tox. 3; Skin Irrit. 2; STOT SE 3 H302; H315; H331; H336
alpha-Terpineol	CAS: 98-55-5 EC: 202-680-6	1-<5%	Skin Irrit. 2; Eye Irrit. 2 H315; H319
dl-Citronellol	CAS: 106-22-9 EC: 203-375-0	1-<5%	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1B H315; H317; H319
trans beta-Ocimene	CAS: 3779-61-1	0.1-<1%	Skin Irrit. 2; Aquatic Acute 1; Aquatic Chronic 2 H315; H400; H411
p-Mentha-1,3-diene	CAS: 99-86-5 EC: 202-795-1	0.1-<1%	Flam. Liq. 3; Acute Tox. 4; Skin Sens. 1; Asp. Tox 1; Aquatic Chronic 2 H226; H302; H304; H317; H411
beta-Caryophyllene	CAS: 87-44-5 EC: 201-746-1	0.1-<1%	Skin Sens. 1B; Asp. Tox. 1 H304; H317
cis beta-Ocimene	CAS: 3338-55-4 EC: 222-081-3	0.1-<1%	Flam. Liq. 3; Skin Irrit. 2; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 2 H226; H304; H315; H400; H411
Citronellal	CAS: 106-23-0 EC: 203-376-6	0.1-<1%	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1B H315; H317; H319
Eugenol	CAS: 97-53-0 EC: 202-589-1	0.1-<1%	Eye Irrit. 2; Skin Sens. 1B H317; H319
Cinnamaldehyde	CAS: 104-55-2 EC: 203-213-9	<0.1%	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1A; Aquatic Chronic 3 H312; H315; H317; H319; H412

4 First Aid Measures

4.1 Description of First Aid Measures:

Inhalation	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye Exposure	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Exposure	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

4.2 Most Important Symptoms and Effects, both Acute and Delayed:

Symptoms and Effects	May be fatal if swallowed and enters airways. Causes skin irritation.

	May cause an allergic skin reaction. Causes serious eye damage.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Notes for the Doctors	None expected, see Section 4.1 for further information.

5 Fire-fighting Measures

5.1 Extinguishing Media:

Suitable Media	Use Carbon dioxide (CO_2), dry chemical or foam.

5.2 Special Hazards Arising from the Substance or Mixture:

In Case of Fire, may be Liberated	Carbon monoxide (CO), unidentified organic compounds.

5.3 Advice for Fire Fighters:

Protective Equipment	In case of insufficient ventilation, wear suitable respiratory equipment.

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions	Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental Precautions:

Environmental Precautions	Keep away from drains, surface and ground water, and soil.

6.3 Methods and Material for Containment and Cleaning Up:

Recommendation	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.

6.4 Reference to Other Sections:

Reference to Other Sections	Also refer to Sections 8 and 13.

7 Handling and Storage

7.1 Precautions for Safe Handling:

Handling	Keep away from heat, sparks, open flames, and hot surfaces – No smoking.

7.2 Conditions for Safe Storage, including any Incompatibilities:

Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific End Use(s):

Fragrance, Cosmetics, Professional Use Only	Use in accordance with good manufacturing and industrial hygiene practices.

8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Workplace Exposure Limits	Not applicable.

8.2 Exposure Controls:

Eye/Skin Protection	Wear protective gloves/eye protection/face protection.
Respiratory Protection	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.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Appearance	Mobile liquid, pale yellow to green/yellow.
Odour	Characteristic.
Odour Threshold	Not determined.
pH	Not determined.
Melting Point/Freezing Point	Not determined.
Initial Boiling Point/Range	Not determined.
Flash Point	>55°C
Evaporation Rate	Not determined.
Flammability (Solid, Gas)	Not determined.
Upper/Lower Flammability or Explosive Limits	Product does not present an explosion hazard.
Vapour Pressure	Not determined.
Vapour Density	Not determined.
Relative Density	0.8700 to 0.9200
Solubility(ies)	Insoluble in water.
Partition Coefficient: n-Octanol/Water	Not determined.
Auto-ignition Temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive Properties	Not expected.
Oxidising Properties	Not expected.

9.2 Other Information:

Other Information	None available.

10 Stability and Reactivity

10.1 Reactivity:

Reactivity	Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical Stability:

Chemical Stability	Good stability under normal storage conditions.

10.3 Possibility of Hazardous Reactions:

Possibility of Hazardous Reactions	Not expected under normal conditions of use.

10.4 Conditions to Avoid:

Conditions to Avoid	Avoid extreme heat.

10.5 Incompatible Materials:

Incompatible Materials	Avoid contact with strong acids, alkalis, or oxidising agents.

10.6 Hazardous Decomposition Products:

Hazardous Decomposition Products	Not expected.

11 Toxicological Information

11.1 Information on Toxicological Effects:

Acute Toxicity	Based on available data the classification criteria are not met.
Acute Toxicity Oral	4240
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not available.
Skin Corrosion/Irritation	Skin Corrosion /Irritation Category 2.
Serious Eye Damage/Irritation	Eye Damage /Irritation Category 1.
Respiratory or Skin Sensitisation	Sensitization – Skin Category 1.
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	Aspiration Hazard Category 1

Information about Hazardous Ingredients in the Mixture:

Ingredient	Identification Number(s)	LD50/ATE Oral	LD50/ATE Dermal	LD50/ATE Inhalation	LC50 Route
Terpinen-4-ol	CAS: 562-74-3 EC: 209-235-5	1300 mg/kg	2500 mg/kg	3	Vapour mg/l
alpha-Pinene	CAS: 80-56-8 EC: 201-291-9	500 mg/kg	Not available	Not available	Not available
p-Cymene	CAS: 99-87-6 EC: 202-796-7	4750 mg/kg	Not available	9.7	Vapour mg/l

Refer to Sections 2 and 3 for additional information.

12 Ecological Information

12.1 Toxicity:

Toxicity	Very toxic to aquatic life with long lasting effects.

12.2 Persistence and Degradability:

Persistence and Degradability	Not available

12.3 Bioaccumulative Potential:

Bioaccumulative Potential	Not available

12.4 Mobility in Soil:

Mobility in Soil	Not available

12.5 Results of PBT and vPvB Assessment:

PBT and vPvB Assessment	This substance does not meet the PBT/vPvB criteria of GB REACH UK SI 202 No. 1577.

12.6 Other Adverse Effects:

Other Adverse Effects	Not available

13 Disposal Considerations

13.1 Waste Treatment Methods:

Recommendation	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14 Transport Information

14.1 UN Number:

UN Model Regulations	UN1197
IMDG	UN1197
ADR, RID, ADN	UN1197
ICAO TI	UN1197

14.2 UN Proper Shipping Name:

UN Model Regulations	EXTRACTS, LIQUID
IMDG	EXTRACTS, LIQUID (d-Limonene), MARINE POLLUTANT
ADR, RID, ADN	EXTRACTS, LIQUID
ICAO TI	EXTRACTS, LIQUID

14.3 Transport Hazard Class(es):

UN Model Regulations	3
IMDG	3
ADR, RID, ADN	3
ICAO TI	3

14.4 Packing Group:

UN Model Regulations	III
IMDG	III
ADR, RID, ADN	III
ICAO TI	III

14.5 Environmental Hazards:

Environmental Hazards	This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 Special Precautions for User:

Special Precautions for User	None additional.

14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code:

Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15 Regulatory Information

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

Regulations/Legislation	None additional.

15.2 Chemical Safety Assessment:

Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out for this product.

16 Other Information

Concentration % Limits	SCI 2 =9.20% EDI 1=37.50% EDI 2=8.47% SS 1=2.86% AH 1=12.58% EH A1=33.08% EH C1(GB)=34.72% EH C2(GB)=3.44% EH C3(GB)=0.34293553% EH C4(GB)=26.46%
Total Fractional Values	SCI 2=10.87 EDI 1=2.67 EDI 2=11.81 SS 1=35.00 AH 1=7.95 EH A1=3.02 EH C1(GB)=2.88 EH C2(GB)=29.10 EH C3(GB)=291.60 EH C4(GB)=3.78

Key to Abbreviations:

Acute Tox. 3	Acute Toxicity – Inhalation Category 3.
Acute Tox. 4	Acute Toxicity – Oral Category 4.
Acute Tox. 4	Acute Toxicity – Dermal Category 4.
Aquatic Acute 1	Hazardous to the Aquatic Environment – Acute Hazard Category 1.
Aquatic Chronic 1	Hazardous to the Aquatic Environment – Long-term Hazard Category 1.
Aquatic Chronic 2	Hazardous to the Aquatic Environment – Long-term Hazard Category 2.
Aquatic Chronic 3	Hazardous to the Aquatic Environment – Long-term Hazard Category 3.
Asp. Tox 1	Aspiration Hazard Category 1.
Eye Dam. 1	Eye Damage /Irritation Category 1.
Eye Irrit. 2	Eye Damage /Irritation Category 2.
Flam. Liq. 3	Flammable Liquid, Hazard Category 3.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.

H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child (exposure route).
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.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames, and hot surfaces – No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P301+P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTRE or doctor/physician.
P311	Call a POISON CENTRE or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
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	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use Carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403+P235	Store In a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Repr. 2	Toxic to Reproduction Category 2.
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3.
Skin Irrit. 2	Skin Corrosion/Irritation Category 2.
Skin Sens. 1	Sensitization – Skin category 1.
Skin Sens. 1A	Sensitization – Skin category 1A.
Skin Sens. 1B	Sensitization – Skin category 1B.

WARNING/DISCLAIMER:

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendation, and/or suggestions are made without guarantee.