SAFETY DATA SHEET

In accordance with GB REACH UK SI 2020 No. 1577

Product: Eden Reed Diffuser

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Eden Reed Diffuser (Contains:Citronellol, Citronellyl formate, Geraniol, Nerolidol Isomers)

Other identifiers: None

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

Product uses: Reed Diffuser

1.3 Details of the supplier of the safety data sheet

Company name: Lull Ltd T/A Lulbury

Company address: Maple Tree House
Haughurst Hill
Baughurst
Hampshire
RG26 5JR

Contact: Lisa Caddy

E-Mail address: info@lulbury.co.uk

Company phone: 07846 280900

1.4 Emergency telephone number

Emergency phone: 07846 280900

Section 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: Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Classification under GB GHS UK SI 2020 No. 1567

Signal word: Warning

Hazard statements: H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H411, Toxic to aquatic life with long lasting effects.

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Supplemental Information: EUH208, Contains Beta-Caryophyllene, Citronellyl butyrate, Citronellyl tiglate, Geranyl formate, Geranyl propionate, Isomenthone, Limonene, Linalool, Menthone, Nerol, alpha-Phellandrene, alpha-Pinene, beta-Phellandrene. May produce an allergic reaction.

Precautionary statements:

P101, If medical advice is needed, have product container or label at hand.

P102, Keep out of reach of children.

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.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

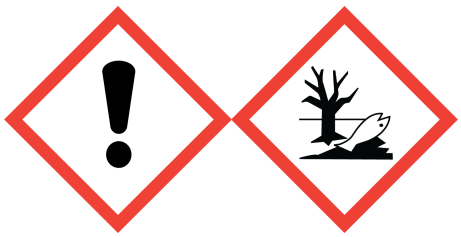
P337/313, If eye irritation persists: Get medical advice/attention.

P363, Wash contaminated clothing before reuse.

P391, Collect spillage.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards:

Sensitisers declared on a CLP Hazard Label:	Beta-Caryophyllene, Citronellyl butyrate, Citronellyl tiglate, Geranyl formate, Geranyl propionate, Isomenthone, Limonene, Linalool, Menthone, Nerol, alpha-Phellandrene, alpha-Pinene, beta-Phellandrene
Hydrocarbon Concentration %:	0.0000%
Sensitisers declared on a GB GHS Hazard Label:	Beta-Caryophyllene, Citronellyl butyrate, Citronellyl tiglate, Geranyl formate, Geranyl propionate, Isomenthone, Limonene, Linalool, Menthone, Nerol, alpha-Phellandrene, alpha-Pinene, beta-Phellandrene

Not Endocrine Disruptor with Human Health or Environmental effects

Substance does not meet the criteria for PBT or vPvB according to GB REACH UK SI 2020 No. 1577.

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Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	GB REACH Registration No.	%	GB GHS UK SI 2020 No. 1567
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	100-79-8	202-888-7		50-100%	Eye Irrit. 2;H319,-
Ethyl alcohol	64-17-5	200-578-6		10-<20%	Flam. Liq. 2-Eye Irrit. 2;H225-H319,-
Citronellol	106-22-9, 1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 7540-51-4	203-375-0, 214-250-5, 247-737-6, 229-887-4, 205-473-9, 231-415-7		1-<5%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-
Nerolidol Isomers	7212-44-4	230-597-5		1-<5%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H317-H410,-
Geraniol	106-24-1	203-377-1		1-<5%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1;H315-H318-H317,-
Citronellyl formate	105-85-1	203-338-9		1-<5%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-
alpha-Phellandrene	99-83-2	202-792-5		0.1-<1%	Flam. Liq. 3-Skin Sens. 1-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H317-H410,-
Isomenthone	491-07-6	207-727-4		0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B;H315-H317-H332,-
Myrcene	123-35-3	204-622-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 2;H226-H304-H315-H319-H410,-
Linalool	78-70-6	201-134-4		0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-
Geranyl formate	105-86-2	203-339-4		0.1-<1%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H317-H410,-
Limonene	5989-27-5	227-813-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H400-H410,-
beta-Phellandrene	555-10-2	209-081-9		0.1-<1%	Flam. Liq. 3-Skin Sens. 1-Asp. Tox 1;H226-H304-H317,-
Menthone	10458-14-7	233-944-9		0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Aquatic Chronic 3;H315-H317-H332-H412,-
Beta-Caryophyllene	87-44-5	201-746-1		0.1-<1%	Skin Sens. 1B-Asp. Tox 1;H304-H317,-

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alpha-Pinene	80-56-8	201-291-9		0.1-<1%	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,-
cis-Rose oxide	876-17-5			0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Repr. 2;H315-H319-H361,-
Geranyl butyrate	106-29-6	203-381-3		0.1-<1%	Aquatic Acute 1-Aquatic Chronic 1; H410,-
Geranyl propionate	105-90-8	203-344-1		0.1-<1%	Skin Irrit. 2-Skin Sens. 1B-Aquatic Chronic 2; H315-H317-H411,-
p-Cymene	99-87-6	202-796-7		0.1-<1%	Flam. Liq. 3-Acute Tox. 3-Repr. 2-Asp. Tox 1-Aquatic Chronic 2; H226-H304-H331-H361-H411,-
Nerol	106-25-2	203-378-7		0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-
Citronellyl tiglate	24717-85-9	246-426-2		0.1-<1%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H317-H410,-
Citronellyl butyrate	141-16-2	205-463-4		0.1-<1%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H317-H410,-

GB workplace exposure limits:

Name	CAS	EC	GB REACH Registration No.	%	GB GHS UK SI 2020 No. 1567
Ethyl alcohol	64-17-5	200-578-6		10-<20%	Flam. Liq. 2-Eye Irrit. 2; H225-H319,-

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 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: Wash with plenty of soap and water.

Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Causes serious eye irritation.

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4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

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

6.2 Environmental precautions:

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

6.3 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.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

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.

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7.3 Specific end use(s):

Reed Diffuser: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	Value
Ethyl alcohol	64-17-5	200-578-6	UK WEL Long-term exposure limit (8-hour TWA) (mg/m3)	1920 mg/m³
			UK WEL Long-term exposure limit (8-hour TWA) (ppm)	1000 ppm

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not determined
Odour:	Not determined
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	≥ 61 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard

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Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
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: None available

Section 10. Stability and reactivity

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

10.2 Chemical stability:
Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:
Not expected under normal conditions of use.

10.4 Conditions to avoid:
Avoid extreme heat.

10.5 Incompatible materials:
Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:
Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in GB GHS UK SI 2020 No. 1567.

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Eye Damage / Irritation Category 2
Respiratory or skin sensitisation:	Sensitization - Skin Category 1

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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.

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
p-Cymene	99-87-6	202-796-7	4750		9.7	Vapour mg/l

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available
12.3 Bioaccumulative potential: Not available
12.4 Mobility in soil: Not available
12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of GB REACH UK SI 2020 No. 1577.

12.6 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

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.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nerolidol Isomers, Citronellyl tiglate)	9	-	III
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nerolidol Isomers, Citronellyl tiglate) MARINE POLLUTANT	9	-	III

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ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nerolidol Isomers, Citronellyl tiglate)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nerolidol Isomers, Citronellyl tiglate)	9	-	III

14.5 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: None additional

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

Not applicable

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None additional

15.2 Chemical Safety Assessment

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

Section 16. Other information

Concentration % Limits: EDI 2=9.81% SS 1(GB)=26.55% EH C2(GB)=49.77% EH C3(GB)=4.98%

Total Fractional Values: EDI 2=10.19 SS 1(GB)=3.77 EH C2(GB)=2.01 EH C3(GB)=20.09

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Acute Tox. 4	Acute Toxicity - Oral 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. 2	Flammable Liquid, Hazard Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
H225	Highly flammable liquid and vapour.

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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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child (exposure route).
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.
P201	Obtain special instructions before use.
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.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER 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.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.

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P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/235	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
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B

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