

# SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** DIFFUSER 100ML CALM-EUCALYPTUS&BERGAMOT-01SNGSD02

**Version:** 1

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

### 1.1 Product Identifier

**Product identifier:** DIFFUSER 100ML CALM-EUCALYPTUS&BERGAMOT-01SNGSD02

**Other identifiers:** None

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

**Product uses:** Fragrances

### 1.3 Details of the supplier of the safety data sheet

**Company name:** Ramesh Flowers Private Limited

**Company address:** A-62(A), SIPCOT Industrial Complex,  
Therku Veerapandiapuram,  
Tuticorin-628002,  
India

**Contact:** M.Chandrasekaran

**E-Mail address:** chandru@rameshflowers.com

**Company phone:** 91-461-2340505

### 1.4 Emergency telephone number

**Emergency phone:** 91-461-2340505

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Class and category of danger:** Skin Corrosion / Irritation Category 3  
Hazardous to the Aquatic Environment - Acute Hazard Category 2  
Hazardous to the Aquatic Environment - Long-term Hazard Category 3  
H316, Causes mild skin irritation.  
H401, Toxic to aquatic life.  
H412, Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

**Signal word:** Warning

**Hazard statements:** H316, Causes mild skin irritation.  
H401, Toxic to aquatic life.  
H412, Harmful to aquatic life with long lasting effects.

**Precautionary statements:** P273, Avoid release to the environment.  
P332/313, If skin irritation occurs: Get medical advice/attention.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

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**Pictograms:** None

**Other hazards:** None

## Section 3. Composition / information on ingredients

### 3.2 Mixtures

**Contains:**

Name	CAS	EC	%	GHS Classification
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	63500-71-0	405-040-6	1.20%	EDI 2A;H319
Benzyl benzoate	120-51-4	204-402-9	1.20%	ATO 4-ATD 5-EH A1-EH C2;H302-H313-H400-H411
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	214-946-9	0.60%	SCI 3-EH A1-EH C1;H316-H410
2-Methyl-3-(p-isopropylphenyl) propionaldehyde	103-95-7	203-161-7	0.60%	ATO 5-SCI 2-SS 1B-EH A2;H303-H315-H317-H401
3,7-Dimethyl-1,6-nonadien-3-ol	10339-55-6	233-732-6	0.60%	FL 4-SCI 2-EDI 2A-EH A3;H227-H315-H319-H402
Eucalyptol	470-82-6	207-431-5	0.60%	FL 3-ATO 5-SCI 3-SS 1B;H226-H303-H316-H317
Geraniol	106-24-1	203-377-1	0.60%	ATO 5-SCI 2-EDI 1-SS 1-EH A2;H303-H315-H317-H318-H401
Hydroxycitronellal	107-75-5	203-518-7	0.60%	EDI 2A-SS 1B;H317-H319
Linalool	78-70-6	201-134-4	0.60%	FL 4-ATO 5-SCI 2-EDI 2A-EH A3;H227-H303-H317-H319-H402
alpha-Hexylcinnamaldehyde	101-86-0	202-983-3	0.60%	ATO 5-SCI 3-SS 1B-EH C2;H303-H316-H317-H411
alpha-Methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6	0.60%	ATO 5-SS 1B-EH A2-EH C2;H303-H317-H411
cis-3-Hexenyl salicylate	65405-77-8	265-745-8	0.60%	EH A1-EH C1;H410
Camphene	79-92-5	201-234-8	0.12%	FS 2-SCI 3-EDI 2A-EH A1-EH C1;H228-H316-H319-H410
alpha-Pinene	80-56-8	201-291-9	0.12%	FL 3-ATO 5-SCI 2-SS 1B-AH 1;H226-H303-H304-H315-H317
delta-3-Carene	13466-78-9	236-719-3	0.12%	FL 3-ATO 5-SCI 2-SS 1B-AH 1;H226-H303-H304-H315-H317
dl-Citronellol	106-22-9	203-375-0	0.12%	ATO 5-ATD 5-SCI 2-EDI 2A-SS 1B-EH A2;H303-H313-H315-H317-H319-H401
dl-Limonene (racemic)	138-86-3	205-341-0	0.12%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410
p-tert-Butyldihydrocinnamaldehyde	18127-01-0	242-016-2	0.12%	ATO 5-SCI 2-SS 1B-REP 2-STO-RE 2-EH A2;H303-H315-H317-H361-H373-H401

**Substances with Community workplace exposure limits, not listed above:**

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:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

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**Skin exposure:** Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

**Ingestion:** Rinse mouth with water and obtain medical attention.

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

Causes mild skin irritation.

## 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.

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## 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. 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):

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

## Section 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.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Liquid
<b>Odour:</b>	Characteristic odour
<b>pH:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	97.6 °C
<b>Vapour pressure:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Solubility(ies):</b>	Not determined
<b>9.2 Other information:</b>	None available

## Section 10. Stability and reactivity

### 10.1 Reactivity:

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

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### 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 UN GHS.

Causes mild skin irritation.

<b>Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity:</b>	>5000
<b>Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity:</b>	>5000
<b>Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity:</b>	Not Available
<b>Inhalation Route:</b>	Not Available

### Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Benzyl benzoate	120-51-4	204-402-9	1500	4000	Not available	Not available

Refer to Sections 2 and 3 for additional information.

## Section 12. Ecological information

### 12.1 Toxicity:

Harmful 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

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## 12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**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:** Not classified

**14.2 UN Proper Shipping Name:** -

**14.3 Transport hazard class(es):** Not classified

**Sub Risk:** Not classified

**14.4. Packing Group:** Not classified

**14.5 Environmental hazards:** Not environmentally hazardous for transport

**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 classified

## 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:** EH A2=94.70% EH A3=9.47% EH C3=16.03% SCI 3=33.33%

**Total Fractional Values:** EH A2=1.06 EH A3=10.56 EH C3=6.24 SCI 3=3.00

### Key to revisions:

Not applicable

### Key to abbreviations:

Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATD 5	Acute Toxicity - Dermal Category 5

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ATO 4	Acute Toxicity - Oral Category 4
ATO 5	Acute Toxicity - Oral Category 5
EDI 1	Eye Damage / Irritation Category 1
EDI 2A	Eye Damage / Irritation Category 2A
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH A2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
EH A3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
FL 3	Flammable Liquid, Hazard Category 3
FL 4	Flammable Liquid, Hazard Category 4
FS 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H373	May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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.
P260	Do not breathe vapour or dust.
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.

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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.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
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.
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.
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.
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.
REP 2	Toxic to Reproduction Category 2
SCI 2	Skin Corrosion / Irritation Category 2
SCI 3	Skin Corrosion / Irritation Category 3
SS 1	Sensitization - Skin Category 1
SS 1B	Sensitization - Skin Category 1B
STO-RE 2	Specific Target Organ Toxicity (Repeated Exposure) Category 2

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.