

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

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

1.1 Product Identifier

Product identifier: ESSENTIAL OIL RELAX - HL

Other identifiers: 619

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

Product uses: AROMATHERAPY

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
Tamil Nadu
India

Contact: Regulatory Affairs

E-Mail address: ra@rameshflowers.com

Company phone: (+)91 461 2340505

1.4 Emergency telephone number

Emergency phone: (+) 91 9894372965

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of danger: Flammable Liquid, Hazard Category 4
Skin Corrosion / Irritation Category 3
Sensitization - Skin Category 1
Hazardous to the Aquatic Environment - Acute Hazard Category 2
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H227, Combustible liquid.
H316, Causes mild skin irritation.
H317, May cause an allergic skin reaction.
H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Warning

Hazard statements: H227, Combustible liquid.
H316, Causes mild skin irritation.
H317, May cause an allergic skin reaction.

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

H411, Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P261, Avoid breathing vapour or dust.

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.

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

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.

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

Pictograms:



Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

Name	CAS	EC	%	GHS Classification
dl-Limonene (racemic)	138-86-3	205-341-0	5.00%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410
Citral	5392-40-5	226-394-6	2.51%	FL 4-ATD 5-SCI 2-EDI 2A-SS 1B-EH A2; H227-H313-H315-H317-H319-H401
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	214-946-9	2.50%	SCI 3-EH A1-EH C1;H316-H410
Benzyl benzoate	120-51-4	204-402-9	2.50%	ATO 4-ATD 5-EH A1-EH C2;H302-H313-H400-H411
Dihydromyrcenol	18479-58-8	242-362-4	2.50%	FL 4-ATO 5-SCI 3-EDI 2A-EH A3;H227-H303-H316-H319-H402
Tricyclodecanyl acetate	5413-60-5	226-501-6	2.50%	ATO 5-SCI 3-EH A3-EH C3;H303-H316-H412
2,4,6-Trimethyl-4-phenyl-1,3-dioxane	5182-36-5	225-963-6	1.25%	ATO 4-EH A3-EH C3;H302-H412
Linalyl acetate	115-95-7	204-116-4	1.25%	FL 4-SCI 2-EDI 2A-EH A3;H227-H315-H319-H402
Vanillin	121-33-5	204-465-2	1.25%	ATO 5-EDI 2A-EH A3;H303-H319-H402
gamma-Undecalactone	104-67-6	203-225-4	1.25%	SCI 3-EH A3-EH C3;H316-H412
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	268-264-1	0.75%	FL 4-ATO 5-ATD 5-SCI 2-EDI 2A-SS 1B-EH A3-EH C3;H227-H303-H313-H315-H317-H319-H412
Menthol racemic	15356-70-4	239-388-3	0.56%	FL 4-ATO 5-SCI 2-EDI 2A-EH A3;H227-H303-H315-H319-H402
Menthone	10458-14-7	233-944-9	0.38%	FL 4-ATO 5-SCI 2-SS 1B-EH A3;H227-H303-H315-H317-H402
2-Methyl-3-(p-isopropylphenyl) propionaldehyde	103-95-7	203-161-7	0.25%	ATO 5-SCI 2-SS 1B-EH A2;H303-H315-H317-H401
Ethyl methylphenylglycidate	77-83-8	201-061-8	0.25%	SS 1B-EH A2-EH C2;H317-H411
Myrcene	123-35-3	204-622-5	0.11%	FL 3-SCI 2-EDI 2A-AH 1;H226-H304-H315-H319
Cinnamaldehyde	104-55-2	203-213-9	0.05%	ATO 5-ATD 4-SCI 2-EDI 2A-SS 1A-EH A2;H303-H312-H315-H317-H319-H401
alpha-Cedrene	469-61-4	207-418-4	0.05%	SCI 3-AH 1-EH A1-EH C1;H304-H316-H410
d-.alpha.-Pinene	7785-70-8	232-087-8	0.05%	FL 3-ATO 5-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H303-H304-H315-H317-H410
p-Mentha-1,4-diene	99-85-4	202-794-6	0.04%	FL 3-ATO 5-SCI 3-AH 1;H226-H303-H304-H316
beta-Caryophyllene	87-44-5	201-746-1	0.02%	SCI 3-AH 1;H304-H316
Terpinolene	586-62-9	209-578-0	0.003%	FL 4-ATO 5-SCI 3-SS 1B-AH 1-EH A1-EH C1;H227-H303-H304-H316-H317-H410
p-Cymene	99-87-6	202-796-7	0.003%	FL 3-ATO 5-SCI 3-AH 1-EH A2-EH C2; H226-H303-H304-H316-H411

Substances with Community workplace exposure limits, not listed above:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

IF ON SKIN: Wash with plenty of soap and water.

4.2 Most important symptoms and effects, both acute and delayed

Causes mild skin irritation.

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

May cause an allergic skin reaction.

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. 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.

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

7.3 Specific end use(s):

AROMATHERAPY: 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

Appearance:	Liquid
Odour:	Characteristic odour
pH:	Not determined
Initial boiling point / range:	Not determined
Flash point:	64 °C
Vapour pressure:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
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.

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

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.

May cause an allergic skin reaction.

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

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
2,4,6-Trimethyl-4-phenyl-1,3-dioxane	5182-36-5	225-963-6	1200	Not available	Not available	Not available
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:

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

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

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: UN3082

14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dl-Limonene (racemic), 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)

14.3 Transport hazard class(es): 9

Sub Risk: -

14.4. Packing Group: III

14.5 Environmental hazards: This is an environmentally hazardous substance.

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: EH A2=23.25% EH A3=2.30% EH C2=30.30% EH C3=3.01% SCI 3=8.57% SS 1=20.00%

Total Fractional Values: EH A2=4.30 EH A3=43.40 EH C2=3.30 EH C3=33.20 SCI 3=11.68 SS 1=5.00

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning
--------------	---------

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity - Dermal Category 4
ATD 5	Acute Toxicity - Dermal Category 5
ATO 4	Acute Toxicity - Oral Category 4
ATO 5	Acute Toxicity - Oral Category 5
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
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3	Flammable Liquid, Hazard Category 3
FL 4	Flammable Liquid, Hazard Category 4
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.
H412	Harmful to aquatic life with long lasting effects.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: ESSENTIAL OIL RELAX - HL

Version: 1

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.
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.
SCI 2	Skin Corrosion / Irritation Category 2
SCI 3	Skin Corrosion / Irritation Category 3
SS 1A	Sensitization - Skin Category 1A
SS 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.