



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification

Product Name: Rhodinol ex Geranium

CAS Number: 141-25-3

EC Number: 205-473-9

Chemical Description: Racemic Rhodinol (α -Citronellol) obtained as a natural geranium fraction

Chemical Formula: C₁₀ H₂₀ O

Product Type: Natural Aroma Ingredient / Natural Isolate

Recommended Use:

Perfumery raw material for fragrance creation and cosmetic manufacture. Professional use only.

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Email: info@aromology.com
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SECTION 2: Hazard Identification

Classification according to GHS

- Skin Irritation — Category 2
- Skin Sensitisation — Category 1
- Eye Irritation — Category 2A
- Hazardous to the Aquatic Environment (Chronic) — Category 2



Signal Word

Warning

Hazard Pictograms

- GHS07 (Exclamation Mark)
- GHS09 (Environment)

Hazard Statements

- 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

- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	EC No.	Concentration
Rhodinol ex Geranium	141-25-3	205-473-9	≥99%

Rhodinol is a fragrance material that may refer to racemic α -citronellol or natural mixtures rich in citronellol and geraniol derived from geranium or citronella oils.

SECTION 4: First Aid Measures

Inhalation

Move person to fresh air.



Seek medical advice if symptoms persist.

Skin Contact

Wash immediately with soap and water.

Remove contaminated clothing.

Obtain medical advice if irritation develops.

Eye Contact

Flush immediately with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth.

Do not induce vomiting.

Seek immediate medical attention.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Dry chemical
- Carbon dioxide
- Foam
- Water spray

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic fumes

Protective Equipment

Self-contained breathing apparatus.



SECTION 6: Accidental Release Measures

Wear suitable PPE.

Prevent entry into drains and waterways.

Absorb with inert material such as sand or vermiculite.

Transfer to suitable waste containers.

Wash contaminated surfaces after cleanup.

SECTION 7: Handling and Storage

Handling

Avoid skin and eye contact.

Use only with adequate ventilation.

Avoid breathing vapours.

Observe good industrial hygiene.

Storage

Store in tightly closed containers.

Store in a cool, dry, well-ventilated area.

Protect from direct sunlight.

Keep away from oxidising agents and ignition sources.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Adequate local ventilation.



Personal Protective Equipment

Eye Protection

Chemical safety glasses.

Hand Protection

Nitrile gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Body Protection

Protective clothing.

SECTION 9: Physical and Chemical Properties

Property	Specification
Appearance	Clear colourless to pale yellow liquid
Odour	Sweet, rosy, floral, fresh geranium
Physical State	Liquid
Molecular Formula	$C_{10}H_{20}O$
Molecular Weight	156.27 g/mol
Density (20 °C)	Approximately 0.86–0.87 g/cm ³
Refractive Index (20 °C)	Approximately 1.455–1.460
Boiling Point	Approximately 225 °C
Flash Point	>90 °C
Water Solubility	Practically insoluble
Solubility	Soluble in ethanol and most organic solvents

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Conditions to Avoid

- Excessive heat



- Open flames
- Direct sunlight

Incompatible Materials

Strong oxidising agents.

Hazardous Decomposition Products

Carbon oxides.

SECTION 11: Toxicological Information

- Skin irritation may occur.
- Eye irritation may occur.
- May cause allergic skin reactions in susceptible individuals.
- No evidence of carcinogenicity under normal conditions of use.

SECTION 12: Ecological Information

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled environmental release.

SECTION 13: Disposal Considerations

Dispose of contents and containers according to national and local regulations.

Do not discharge into drains or waterways.

SECTION 14: Transport Information

Item	Information
UN Number	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9



Item		Information
Packing Group	III	
Marine Pollutant	Yes	

SECTION 15: Regulatory Information

Prepared in accordance with:

- GHS
 - REACH Regulation (EC) No. 1907/2006
 - CLP Regulation (EC) No. 1272/2008
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SECTION 16: Other Information

Rhodinol ex Geranium (CAS 141-25-3) is a fragrance ingredient used extensively in fine fragrance, cosmetics, soaps, and personal care products for its elegant rosy-floral odour. Commercial "Rhodinol" may refer to racemic α -citronellol or natural geranium-derived fractions rich in citronellol and geraniol.

The information contained in this Safety Data Sheet is believed to be accurate at the date of issue and is provided solely as guidance for the safe handling, storage, transport and use of this product. It does not constitute a warranty of specific product properties.

Supplier

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