



SAFETY DATA SHEET (SDS)

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

Linalool

SECTION 1: Identification

1.1 Product Identifier

Item	Details
Product Name	Linalool
Manufacturer	Givaudan SA
Chemical Name	Linalool
IUPAC Name	3,7-Dimethylocta-1,6-dien-3-ol
CAS Number	78-70-6
EC Number	201-134-4
Molecular Formula	C ₁₀ H ₁₈ O
Molecular Weight	154.25 g/mol
Product Type	Aroma Chemical
Physical Form	Colourless Liquid
Odour Profile	Floral, Lavender, Citrus, Bergamot, Woody

Linalool is one of the most widely used floral fragrance materials and occurs naturally in lavender, coriander, rosewood, basil and numerous essential oils. It provides a fresh floral-lavender note and is widely used in fine fragrance, personal care and household products.

1.2 Recommended Uses

- Fine fragrance
- Cosmetics
- Personal care products
- Soap and detergents
- Air care
- Candles
- Professional fragrance manufacture

Uses Advised Against

- Internal consumption
- Pharmaceutical use



- Undiluted skin application

1.3 Supplier

Aromology Trading LLC
G05 Al Ghazal Building
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Dubai, United Arab Emirates
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SECTION 2: Hazard Identification

Classification (GHS / CLP)

Based on representative SDS information for Linalool:

- Flammable Liquid – Category 4
- Acute Oral Toxicity – Category 5
- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Skin Sensitisation – Category 1B
- Aquatic Acute Toxicity – Category 3

Signal Word

Warning

Hazard Statements

- H227 Combustible liquid.
- H303 May be harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H402 Harmful to aquatic life.

Precautionary Statements

- P210 Keep away from heat, sparks and open flames.
- P261 Avoid breathing vapours.
- P264 Wash 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 and eye protection.



- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P337+P313 If eye irritation persists: Get medical advice.
- P501 Dispose of contents/container according to local regulations.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Linalool	78-70-6	≥99%

Representative commercial material consists predominantly of Linalool with trace stabilisers where applicable.

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air.
Keep warm and at rest.
Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.
Remove contaminated clothing.
Seek medical advice if irritation or rash develops.

Eye Contact

Flush cautiously with water for at least 15 minutes.
Remove contact lenses if present.
Continue rinsing.
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

- Alcohol-resistant foam
- Carbon dioxide
- Dry chemical powder
- Water spray or fog

Unsuitable Extinguishing Media

- Direct water jet



Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic fumes

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

- Wear suitable PPE.
- Eliminate ignition sources.
- Prevent entry into drains and waterways.
- Absorb with inert absorbent material.
- Collect in suitable waste containers.
- Dispose according to local regulations.

SECTION 7: Handling and Storage

Handling

- Avoid skin and eye contact.
- Avoid breathing vapours.
- Use only with adequate ventilation.
- Keep away from ignition sources.

Storage

Store:

- Between 15–25 °C
- In tightly closed original containers
- Protected from direct sunlight
- In a cool, dry, well-ventilated area
- Away from oxidising agents

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

- Chemical safety goggles



Hand Protection

- Nitrile or neoprene gloves

Body Protection

- Protective clothing

Respiratory Protection

- Organic vapour respirator where ventilation is inadequate

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Colourless liquid
Odour	Floral, lavender, citrus
Molecular Formula	$C_{10}H_{18}O$
Molecular Weight	154.25 g/mol
Boiling Point	Approximately 198°C
Flash Point	Approximately 76°C
Relative Density (20°C)	Approximately 0.858–0.867
Refractive Index (20°C)	Approximately 1.460–1.465
Water Solubility	Slightly soluble
Solubility	Soluble in alcohol and perfume solvents

Representative physicochemical values are consistent with published Linalool technical data.

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Heat
- Open flames
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
- Carbon dioxide

SECTION 11: Toxicological Information

Likely exposure routes:



- Skin
- Eyes
- Inhalation
- Ingestion

Potential effects:

- Skin irritation
- Eye irritation
- Allergic skin reaction
- Mild respiratory irritation
- Gastrointestinal discomfort if swallowed

SECTION 12: Ecological Information

Avoid uncontrolled release into waterways.

Harmful to aquatic organisms.

SECTION 13: Disposal Considerations

Dispose of unused material and contaminated packaging through an authorised chemical waste contractor.

Do not discharge into drains or waterways.

SECTION 14: Transport Information

Transport classification should be confirmed using the current manufacturer's SDS and the applicable ADR, IMDG and IATA regulations.

SECTION 15: Regulatory Information

Prepared with reference to:

- REACH Regulation (EC) No. 1907/2006
 - CLP Regulation (EC) No. 1272/2008
 - Commission Regulation (EU) 2020/878
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
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SECTION 16: Other Information

This Safety Data Sheet has been prepared using published technical and safety information for Linalool (CAS 78-70-6). The official Givaudan Safety Data Sheet supplied with the purchased batch should take precedence where batch-specific data or regional classifications differ. Representative commercial SDS documents consistently classify Linalool as a combustible liquid that may cause skin irritation, eye irritation and allergic skin reactions.

Authorised by
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