

Material Safety Data Sheet

Farnesol

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Farnesol

INCI Name: Farnesol

Chemical Name: 3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol

CAS No.: 4602-84-0

EC No.: 225-004-1

Molecular Formula: C₁₅H₂₆O

Molecular Weight: 222.37 g/mol

Country of Origin: India

Grade: Cosmetic / Perfumery Grade

Recommended Use: Fragrance, cosmetic and personal-care raw material.

Supplier: Botanic Planet Canada Inc.

Address: 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada

Telephone number: 905-455-4444

Emergency phone number (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2 – HAZARD IDENTIFICATION

Published Farnesol SDSs differ somewhat depending on product purity/isomer composition and jurisdiction. Several classify Farnesol as a skin irritant, skin sensitizer and eye irritant, while some also classify it as hazardous to aquatic life.

Signal Word: WARNING

Hazard Statements:

- **H315:** Causes skin irritation.
- **H317:** May cause an allergic skin reaction.
- **H319:** Causes serious eye irritation.
- Avoid release of concentrated material to the environment.

Precautions: **Avoid breathing mist or vapour. Wear protective gloves and eye protection. Wash thoroughly after handling.**

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Concentration
Farnesol	4602-84-0	225-004-1	≥95%

Farnesol is commonly supplied as a mixture of isomers.

SECTION 4 – FIRST-AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. If irritation or rash develops, obtain medical advice.

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical advice if a significant amount is swallowed.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide (CO₂), dry chemical, foam or water fog.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide and irritating fumes.

Farnesol is a combustible organic liquid; published flash-point values can vary depending on material/isomer composition and test method.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation. Avoid contact with skin and eyes.

Absorb spilled material using sand, vermiculite or another suitable inert absorbent. Transfer to a suitable closed container.

Prevent concentrated material from entering drains, soil or waterways.

SECTION 7 – HANDLING AND STORAGE

Avoid skin and eye contact and unnecessary inhalation of vapours.

Keep container tightly closed. Store in a cool, dry and well-ventilated location, protected from light and incompatible oxidizing materials. Farnesol is reported to be light sensitive.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Adequate general or local ventilation.

Eye Protection: Safety glasses or chemical splash goggles.

Hand Protection: Suitable chemical-resistant gloves.

Skin Protection: Appropriate protective clothing during bulk handling.

Respiratory Protection: Normally unnecessary with adequate ventilation; use suitable respiratory protection if significant vapour or aerosol exposure occurs.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Appearance	Colorless to pale-yellow liquid
Odour	Mild, sweet, floral characteristic aroma
Molecular Formula	$C_{15}H_{26}O$
Molecular Weight	222.37 g/mol
Density	Approx. 0.886–0.887 g/mL @ 20°C
Refractive Index	Approx. 1.489 @ 20°C
Water Solubility	Not miscible / difficult to mix with water
Physical State	Liquid
Country of Origin	India

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Excessive heat, direct sunlight and ignition sources.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and irritating organic fumes during combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin: May cause irritation and allergic skin reaction.

Eyes: May cause serious eye irritation.

Inhalation: Concentrated vapours or mist may cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Skin sensitization is consistently identified in multiple Farnesol safety references.

SECTION 12 – ECOLOGICAL INFORMATION

Avoid uncontrolled release into the environment. Some Farnesol classifications identify significant acute/chronic aquatic hazards; product-specific classification should follow the supplier's validated SDS.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents and contaminated packaging according to applicable federal, provincial/state and municipal regulations.

Do not discharge concentrated material into drains or natural waterways.

SECTION 14 – TRANSPORT INFORMATION

Transport classification for the specific supplied grade should be taken from the manufacturer's current transport SDS because published classifications for Farnesol are not fully consistent across suppliers and jurisdictions.

SECTION 15 – REGULATORY INFORMATION

Farnesol is used as a fragrance/cosmetic raw material. Finished-product manufacturers are responsible for determining applicable concentration limits, fragrance-allergen declarations and labeling requirements for their intended markets.

SECTION 16 – OTHER INFORMATION

Product: Farnesol

CAS No.: 4602-84-0

EC No.: 225-004-1

Formula: C₁₅H₂₆O

Country of Origin: India

Grade: Cosmetic / Perfumery Grade

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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