

Material Safety Data Sheet (MSDS)

Galaxolide

CAS Number: 1222-05-5

Prepared by: Triveni Chemicals

Revision Date: 25-June-2025

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Galaxolide

Synonyms: 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-γ-2-benzopyran

Recommended Use: Fragrance ingredient

Supplier:

Triveni Chemicals

Office No. 123-124, Pancharatna,

Char Rasta, GIDC,

Vapi - 396195, Gujarat, India

☎ +91-9696960250

✉ info@trivenichemical.com

☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



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SECTION 2: Hazards Identification

GHS Classification:

- Hazardous to the aquatic environment, chronic (Category 2), H411

Signal Word: *Warning*

Hazard Statements:

- H411: Toxic to aquatic life with long lasting effects

Precautionary Statements:

- P273: Avoid release to the environment
- P391: Collect spillage
- P501: Dispose of contents/container in accordance with local regulations

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
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Galaxolide	1222-05-5	≥95%
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SECTION 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Get medical attention if symptoms develop.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. If irritation develops, seek medical advice.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam

Specific Hazards: May form combustible mixtures with air

Protective Equipment: Use self-contained breathing apparatus and protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions: Use protective gloves and goggles. Ensure adequate ventilation.

Environmental Precautions: Avoid entry into drains and waterways

Cleanup Methods: Absorb with inert material (e.g. sand). Dispose according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Use in well-ventilated areas.

Storage: Store in tightly sealed containers in a cool, dry place away from sources of ignition

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls: Local exhaust ventilation recommended

Personal Protective Equipment (PPE):

- Chemical-resistant gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	liquid
Odor	Sweet, floral, musky
Boiling Point	318 °C
Melting Point	~-20 °C
Flash Point	~144 °C (closed cup)
Autoignition Temperature	~>200 °C
Density	Not determined
Solubility	Slightly soluble

SECTION 10: Stability and Reactivity

Stability: Stable under normal storage conditions

Incompatibility: Strong oxidizers

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Decomposition Products: Carbon monoxide, carbon dioxide

Reactivity: No hazardous reactions under normal conditions

SECTION 11: Toxicological Information

- **Oral LD₅₀ (Rat):** >5000 mg/kg (estimated)
- **Skin Effects:** May cause mild irritation
- **Eye Effects:** May cause mild irritation
- **Respiratory Effects:** No known significant hazards under normal conditions

SECTION 12: Ecological Information

- **Biodegradability:** Not readily biodegradable
- **Aquatic Toxicity:** Toxic to aquatic organisms, may cause long-term adverse effects
- **Bioaccumulation:** Potential for bioaccumulation

SECTION 13: Disposal Considerations

Dispose of product and container according to local and national regulations. Avoid release to waterways.

SECTION 14: Transport Information

- **UN Number:** Not regulated for transport
- **Proper Shipping Name:** Galaxolide
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable

SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIHC Rules (India)
- Not listed under REACH SVHC

SECTION 16: Other Information

Prepared By: Triveni Chemicals, Regulatory Affairs Department

Disclaimer:

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