

Galaxolide (Musk G)

galaxolide - Version 1.0 - Issued 26 August 2026

SECTION 1 - IDENTIFICATION

Product identifier	Galaxolide (Musk G)
Veriscents SKU	galaxolide
Chemical name	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran
CAS number	1222-05-5
Synonyms	HHCB; Musk G; hexamethylindanopyran
Recommended use	Aromatic raw material for professional use in fragrance compounding; a polycyclic musk. See VS-IFRA-GALAXOLIDE-51.
Restrictions on use	For manufacturing and professional use only. Not supplied for sale to consumers in the form supplied. Not evaluated for electronic cigarette or other inhalation-by-design products.

Supplier

Company	Veriscents
Address	30 N. Gould Street, Sheridan, WY 82801, USA
Telephone	+1 877.863.7700
E-mail	support@veriscents.com
Contact	Regulatory Officer
Issued to	
Medical emergency information	United States Poison Help: +1 800.222.1222

SECTION 2 - HAZARD(S) IDENTIFICATION

Hazard group	Classification
Physical hazards	Not classified
Health hazards	Not classified under 29 CFR 1910.1200
Hazardous to the aquatic environment, long-term	Category 1 - H410, Very toxic to aquatic life with long lasting effects

GHS label elements

United States	No environmental-hazard label elements are required under 29 CFR 1910.1200.
Environmental classification	GHS09 (environment); Warning; H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents and container in accordance with applicable regulations.
Hazards not otherwise classified (HNOC)	None identified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Material	CAS	Concentration
Galaxolide (HHCB)	1222-05-5	Not stated; specific composition withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

Inhalation	Remove affected person to fresh air, keep at rest and obtain medical attention.
Skin contact	Remove contaminated clothing. Wash thoroughly with soap and water. Contact a physician if irritation persists.
Eye contact	Flush immediately with water for at least 15 minutes. Contact a physician if symptoms persist.
Ingestion	Rinse mouth with water and obtain medical attention.
Most important symptoms/effects	None identified. Treat symptomatically.
Special treatment	Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, dry chemical, foam.
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Unsuitable extinguishing media	Avoid a solid water jet.
Specific hazards	Combustible liquid with flash point above 93.3 C. Combustion may liberate carbon monoxide and unidentified organic compounds.
Protective equipment for firefighters	Wear suitable respiratory equipment where ventilation is insufficient.
Fire-fighting instructions	Contain firewater and keep runoff out of drains and watercourses.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions / PPE	Avoid inhalation and contact with skin and eyes. Remove ignition sources. Provide adequate ventilation. Wear protection described in Section 8.
Environmental precautions	Avoid release to the environment. Collect spillage. Do not allow material to enter drains, sewers, watercourses or the ground.
Containment and clean-up	Contain with sand or inert powder. Recover into a closable container and dispose of in accordance with applicable regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Keep away from heat, sparks, open flames and hot surfaces; no smoking. Use appropriate personal protective equipment and adequate ventilation. Do not eat, drink or smoke while using this product.
Conditions for safe storage	Store in a well-ventilated place. Keep container tightly closed and cool. Take precautions against static discharge. Store away from strong acids, alkalis and oxidising agents.
Containment	Store so that a leak cannot reach drains or the environment. Secondary containment is appropriate for bulk storage.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

No occupational exposure limit or biological limit value is established for this material.

Engineering controls	Showers, eyewash stations and ventilation systems.
Eye, face and skin protection	Protective gloves, eye protection, face protection and suitable protective clothing.
Respiratory protection	Where ventilation is insufficient or exposure is uncontrolled, use NIOSH-approved respiratory protection selected for the exposure conditions.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Not determined
Odour	Not determined
Odour threshold	Not determined
pH	Not determined
Melting point / freezing point	Not determined
Initial boiling point / range	Not determined
Flash point	> 93.3 C (> 200 F)
Evaporation rate	Not determined
Flammability	Not determined
Flammability / explosive limits	The product does not present an explosion hazard
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not determined
Solubility	Not determined
Partition coefficient	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined

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Property	Value
Viscosity	Not determined
Flammability class	Combustible, NFPA Class IIIB

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	No significant reactivity hazard expected by itself or in contact with water.
Chemical stability	Good stability under normal storage conditions.
Possibility of hazardous reactions	Not expected under normal conditions of use.
Conditions to avoid	Extreme heat.
Incompatible materials	Strong acids, alkalis and oxidising agents.
Hazardous decomposition products	Combustion may liberate carbon monoxide and unidentified organic compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

Endpoint	Assessment
Acute toxicity - oral	Not applicable.
Acute toxicity - dermal	Not applicable.
Acute toxicity - inhalation	Not available.
Skin corrosion / irritation	Classification criteria are not met on the available data.
Serious eye damage / irritation	Classification criteria are not met.
Respiratory / skin sensitisation	Classification criteria are not met.
Germ cell mutagenicity	Classification criteria are not met.
Carcinogenicity	Classification criteria are not met.
Reproductive toxicity	Classification criteria are not met.
STOT - single exposure	Classification criteria are not met.
STOT - repeated exposure	Classification criteria are not met.
Aspiration hazard	Classification criteria are not met.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects. No numerical aquatic toxicity data are stated.
Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available. Environmentally hazardous substance for transport purposes; marine pollutant where regulated.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose through a licensed waste disposal contractor in accordance with applicable regulations. Avoid discharge to drainage systems or the environment.
Hazardous waste code	Not established. The waste generator is responsible for classification at the point of disposal.
Contaminated packaging	Take empty containers to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORT INFORMATION

Mode	UN number	Class	Packing group	Notes
UN Model Regulations	UN 3082	9	III	Environmentally hazardous substance
US DOT, non-bulk	Not classified	-	-	Domestic road and rail

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Mode	UN number	Class	Packing group	Notes
US DOT, bulk	UN 3082	9	III	Domestic bulk road and rail
IMDG	UN 3082	9	III	Marine pollutant
ADR / RID / ADN	UN 3082	9	III	European road, rail and inland waterway
ICAO TI	Not classified	-	-	Air

Proper shipping name, where regulated ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Galaxolide / HHCB)

Environmental hazards Environmentally hazardous substance; marine pollutant where regulated.

Transport in bulk (MARPOL Annex II / IBC Code) Not applicable.

SECTION 15 - REGULATORY INFORMATION

Regulation	Status
TSCA Inventory	Listed on the TSCA Inventory.
CERCLA hazardous substance list (40 CFR 302.4)	Not listed.
SARA 302 / 304	Not listed; not regulated.
SARA 311/312 hazard categories	None under OSHA for health and physical hazards.
SARA 313 (TRI reporting)	Not listed.
Clean Air Act Sections 112 and 112(r)	Not listed.
Clean Water Act	Not listed as a hazardous substance or priority pollutant.
OSHA regulated carcinogens	Not listed.
California Proposition 65	Not listed; no warning required.

Fragrance industry - IFRA

Certified for conformity with the IFRA Standards up to and including the 51st Amendment. Refer to VS-IFRA-GALAXOLIDE-51.

SECTION 16 - OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Veriscents issue date 26 August 2026

Veriscents version 1.0

Veriscents document number VS-GALAXOLIDE-R10

Revision information First issue under the Veriscents name.

HMIS and NFPA ratings Not assigned.

Abbreviations

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road; CAS Chemical Abstracts Service; GHS Globally Harmonized System; HNOC hazards not otherwise classified; ICAO TI International Civil Aviation Organization Technical Instructions; IFRA International Fragrance Association; IMDG International Maritime Dangerous Goods Code; NIOSH National Institute for Occupational Safety and Health; RCRA Resource Conservation and Recovery Act; TSCA Toxic Substances Control Act.

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