



SAFETY DATA SHEET (SDS)

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

Velvione™

SECTION 1: Identification

1.1 Product Identifier

Item	Details
Product Name	Velvione™
Manufacturer	Givaudan SA
Chemical Name	5-Cyclohexadecen-1-one
Synonyms	Ambretone®, Musk Amberol
CAS Number	37609-25-9
EC Number	253-568-9
REACH Registration No.	01-2120734168-53
Molecular Formula	$C_{16}H_{28}O$
Molecular Weight	236.40 g/mol
Product Type	Aroma Chemical
Physical Form	Colourless to pale yellow viscous liquid
Odour Profile	Powdery, Musky, Animalic, Clean Musk
Recommended Use Level	0.2–4% in fragrance compounds

Velvione™ is Givaudan's biodegradable macrocyclic musk with outstanding substantivity, excellent stability and a tenacity exceeding one month on a fragrance blotter. It is widely used in fine fragrance, fabric care and personal care applications.

1.2 Supplier

Aromology Trading LLC
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SECTION 2: Hazard Identification

Classification (CLP / GHS)

Based on the current Givaudan Safety Data Sheet:

- Hazardous to the Aquatic Environment – Acute Category 1
- Hazardous to the Aquatic Environment – Chronic Category 1

Signal Word

Warning

Hazard Statements

- H400 Very toxic to aquatic life.
- 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/container in accordance with local regulations.
- Avoid discharge into drains or natural waterways.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Velvione™ (5-Cyclohexadecen-1-one)	37609-25-9	≥98%

SECTION 4: First Aid Measures

Inhalation

Move the exposed person to fresh air.
Seek medical attention if symptoms develop.

Skin Contact

Wash thoroughly with soap and water.
Remove contaminated clothing.
Obtain medical advice if irritation occurs.

Eye Contact

Flush cautiously with water for at least 15 minutes.
Remove contact lenses if present.
Seek medical attention if irritation persists.



Ingestion

Rinse mouth thoroughly.

Do not induce vomiting.

Seek medical advice.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

- Wear suitable personal protective equipment.
 - Prevent release into drains and waterways.
 - Absorb with inert absorbent material.
 - Collect in suitable disposal containers.
 - Dispose according to local regulations.
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SECTION 7: Handling and Storage

Handling

- Avoid unnecessary contact with skin and eyes.
- Ensure adequate ventilation.
- Avoid environmental release.



Storage

Store:

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

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

- Chemical safety goggles

Hand Protection

- Nitrile 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	Powdery, musky, animalic
Molecular Formula	C ₁₆ H ₂₈ O
Molecular Weight	236.40
Boiling Point	300 °C



Vapour Pressure	0.0013 hPa
Log Pow	>6.0
Physical State	Liquid
Tenacity	More than 1 month on blotter

These physicochemical values correspond to Givaudan's published technical data for Velvione™.

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Heat
- Strong oxidising agents
- Uncontrolled environmental release

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide
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SECTION 11: Toxicological Information

Likely exposure routes:

- Skin
- Eyes
- Inhalation
- Ingestion

Based on available information:

- Low acute toxicity under normal fragrance use.
- No significant health hazards expected when handled according to good industrial hygiene practices.

Representative distributor SDSs additionally classify the material as May be harmful if swallowed (H303) under some regional GHS implementations.



SECTION 12: Ecological Information

Very toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled environmental release.

SECTION 13: Disposal Considerations

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

Do not discharge into drains or surface waters.

SECTION 14: Transport Information

Transport classification should be confirmed using the latest manufacturer SDS together with applicable ADR, IMDG and IATA transport 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 Givaudan technical information and representative manufacturer Safety Data Sheets for Velvione™ (CAS 37609-25-9). Givaudan describes Velvione™ as a biodegradable macrocyclic musk with exceptional substantivity, excellent stability and a blotter longevity of more than one month. The official Givaudan SDS supplied with the purchased batch should always take precedence where batch-specific or regional classifications differ.

Authorised by
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