

HABANOLIDE

Macrocyclic Musk

1. IDENTIFICATION

Product identifier	Habanolide
Chemical identity	E- and Z-Oxacyclohexadec-12(+13)-en-2-one
CAS number	111879-80-2
Recommended use	Fragrance ingredient / fragrance compounding
Supplier	Veriscents
Emergency telephone	U.S. Poison Help: 1-800-222-1222 (medical exposure emergencies)

2. HAZARD IDENTIFICATION

Classification	Acute Toxicity - Oral Category 5; Acute Toxicity - Dermal Category 5; Hazardous to the Aquatic Environment - Acute Category 1; Hazardous to the Aquatic Environment - Long-term Category 1
Signal word	Warning
Hazard statements	H303 May be harmful if swallowed. H313 May be harmful in contact with skin. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P391 Collect spillage. P501 Dispose of contents/container in accordance with applicable regulations.
Other hazards	None reported.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	Concentration	GHS classification
E- and Z-Oxacyclohexadec-12(+13)-en-2-one	111879-80-2	100.00%	Skin Irrit. 3; Aquatic Acute 1; Aquatic Chronic 1; H316, H410

4. FIRST-AID MEASURES

Inhalation	Remove from exposure to fresh air, keep at rest, and obtain medical attention.
Eyes	Flush immediately with water for at least 15 minutes. Contact a physician if symptoms persist.
Skin	Remove contaminated clothing. Wash thoroughly with soap and water. Contact a physician if irritation persists.
Ingestion	Rinse mouth with water and obtain medical attention.
Most important symptoms/effects	May be harmful if swallowed. May be harmful in contact with skin.
Immediate treatment	None expected beyond the first-aid measures above.

5. FIRE-FIGHTING MEASURES

Suitable media	Carbon dioxide, dry chemical, foam.
Specific hazards	Fire may liberate carbon monoxide and unidentified organic compounds.
Firefighter advice	In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid inhalation and contact with skin and eyes. See Sections 7 and 8.
Environmental precautions	Keep away from drains, surface water, ground water and soil.
Containment / cleanup	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Contain spillage immediately with sand or inert powder and dispose of according to applicable regulations.

7. HANDLING AND STORAGE

Handling	Keep away from heat, sparks, open flames and hot surfaces. No smoking. Use personal protective equipment as required. Use with adequate ventilation and good manufacturing/industrial hygiene practices. Do not eat, drink or smoke when using this product.
Storage	Store in a well-ventilated place. Keep container tightly closed and cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment, non-sparking tools, and precautions against static discharge.

HABANOLIDE

Macrocyclic Musk

Specific end use	Fragrance ingredient.
-------------------------	-----------------------

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits	Not applicable in the supplied SDS.
Eye / skin protection	Wear protective gloves, eye protection and face protection.
Respiratory / engineering controls	Under normal use with adequate ventilation, special engineering controls should not be required. For high/prolonged use, elevated temperature, or increased exposure, use local exhaust ventilation, an appropriately fitted organic-vapor respirator with particulate filters, or closed transfer/processing systems.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Not determined
Odor	Not determined
pH	Not determined
Initial boiling point / range	Not determined
Flash point	>93.5 C
Explosion hazard	Product does not present an explosion hazard
Relative density	Not determined
Solubility	Not determined
Explosive properties	Not expected
Oxidizing properties	Not expected
Other information	None available

10. STABILITY AND REACTIVITY

Reactivity	No significant reactivity hazard by itself or in contact with water.
Chemical stability	Good stability under normal storage conditions.
Hazardous reactions	Not expected under normal conditions of use.
Conditions to avoid	Extreme heat.
Incompatible materials	Strong acids, alkalis and oxidizing agents.
Hazardous decomposition products	Not expected.

11. TOXICOLOGICAL INFORMATION

Mixture assessment	The supplied SDS states health effects were calculated using UN GHS methods.
Acute toxicity	Oral Category 5; Dermal Category 5
Acute oral toxicity	Not applicable
Acute dermal toxicity	Not applicable
Acute inhalation toxicity	Not available
Skin / eye irritation	Available data do not meet classification criteria at mixture level.
Sensitization / mutagenicity / carcinogenicity / reproductive toxicity / STOT	Available data do not meet classification criteria.
Aspiration hazard	Available data do not meet classification criteria.

12. ECOLOGICAL INFORMATION

Toxicity	Very toxic to aquatic life with long lasting effects.
Persistence / degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil	Not available

HABANOLIDE

Macrocyclic Musk

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable regulations. Avoid disposal into drainage systems and the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

UN Model Regulations	UN3082 - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (E- and Z-Oxacyclohexadec-12(+13)-en-2-one); Class 9; Packing Group III
IMDG	UN3082; Class 9; Packing Group III; Marine Pollutant
ADR / RID / ADN	UN3082; Class 9; Packing Group III
DOT Non-Bulk	Not regulated in the supplied SDS
IATA	Not regulated in the supplied SDS
Environmental hazards	Environmentally hazardous substance under UN Model Regulations; Marine Pollutant under IMDG.
Special precautions	None additional
Bulk transport under MARPOL / IBC Code	Not applicable

15. REGULATORY INFORMATION

No additional regulatory information is stated in the supplied SDS.

16. OTHER INFORMATION

Veriscents issue date	20 September 2026
Document version	1
Source SDS issue date	25 January 2024
Source SDS version	1 (07/12/2023)

Prepared by Veriscents from supplied safety documentation for Habanolide and reformatted as a customer-facing Veriscents document. Supplier-identifying information, supplier item numbers, contacts and supplier emergency-service identifiers have been omitted. Technical values and classifications have not been independently re-tested by Veriscents.