



SAFETY DATA SHEET (SDS)

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

GLOBALIDE®

SECTION 1 — IDENTIFICATION

Parameter	Details
Product Name	Globalide®
Manufacturer	Symrise
Product No.	106114
Generic Name	Musk Decenone
Chemical Family	Macrocyclic Lactone Musk
Principal Chemical Name	(12E)-Oxacyclohexadec-12-en-2-one
Commercial CAS	34902-57-3
Principal Isomer CAS	111879-80-2
EC Number	422-320-3
Molecular Formula	C ₁₅ H ₂₆ O ₂
Molecular Weight	238.37 g/mol
Recommended Use	Fragrance ingredient

Symrise's current ingredient finder lists Globalide®, CAS 34902-57-3, as Product No. 106114.

Supplier:

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2 — HAZARDS IDENTIFICATION

The available Symrise US SDS classifies Globalide® as:
NOT A HAZARDOUS SUBSTANCE OR MIXTURE UNDER US GHS
No GHS pictogram or signal word is assigned in that SDS.

However, the same SDS states:



Toxic to aquatic life with long-lasting effects.
Environmental release must therefore be avoided.

Recommended precautions:

- Avoid uncontrolled release to the environment.
- Prevent entry into drains and waterways.
- Use adequate ventilation.
- Avoid unnecessary inhalation of vapours.
- Wear suitable gloves and eye protection during bulk handling.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	Status
(12E)-Oxacyclohexadec-12-en-2-one	111879-80-2	Principal constituent
Oxacyclohexadecen-2-one / Musk Decenone commercial material	34902-57-3	Commercial substance identity

The Symrise SDS identifies the chemical name as Oxacyclohexadec-12-en-2-one, (12E)-, CAS 111879-80-2, formula $C_{15}H_{26}O_2$.

Commercial Globalide may contain related macrocyclic-lactone isomers within the manufacturer specification.

SECTION 4 – FIRST-AID MEASURES

Inhalation

Move affected person to fresh air. If symptoms persist, obtain medical attention.

Eye Contact

Remove contact lenses if easy to do. Rinse cautiously with water. Obtain specialist advice if irritation persists.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Ingestion

Do not give milk or alcoholic beverages. Obtain medical advice if symptoms occur.
The manufacturer SDS advises medical attention where symptoms persist.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media:



- Water spray
- Alcohol-resistant foam
- Dry chemical
- Carbon dioxide

Prevent contaminated firefighting water from entering drains or waterways.

Firefighters should use self-contained breathing apparatus where necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Ensure adequate ventilation.
- Prevent material from entering drains or watercourses.
- Inform relevant authorities if significant environmental contamination occurs.
- Absorb with inert material such as sand, silica gel, universal binder or sawdust.
- Transfer contaminated material to suitable waste containers.

These procedures follow the Symrise SDS.

SECTION 7 – HANDLING AND STORAGE

Handling

- Use only with adequate ventilation.
- Avoid breathing concentrated vapours.
- Minimise unnecessary heating.
- Avoid waste and spillage during weighing and blending.
- Handle using good industrial hygiene practices.

Storage

Store:

- Tightly closed
- Cool
- Dry
- Well ventilated
- Protected from unnecessary heat
- Away from incompatible materials

Symrise specifically recommends keeping containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION



No occupational exposure-limit substance is identified in the available Symrise SDS.

Recommended PPE:

Protection	Recommendation
Respiratory	Suitable respirator where ventilation is inadequate
Eyes	Chemical-resistant goggles and/or face shield
Hands	Suitable chemical-resistant gloves
Body	Protective work clothing

Engineering ventilation should be the primary method of exposure control.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Value
Appearance	Clear liquid
Colour	Colourless to light yellow
Odour	Clean, dry, woody, fruity/powdery musk
Melting Point	Approx. -46 °C
Boiling Point	Approx. 333 °C
Flash Point	>100 °C
Relative Density at 20 °C	0.9600–0.9690
Water Solubility	Approx. 0.969 mg/L at 20 °C
Log Pow	5.45
Molecular Weight	238.37 g/mol
Vapour Pressure at 25 °C	Approx. 0.001 mmHg
Physical State	Liquid

These values are reported in the Symrise SDS.

SECTION 10 – STABILITY AND REACTIVITY

Globalide® is stable under recommended storage conditions.

- No decomposition when stored and handled as directed.
- No hazardous reaction is known under normal conditions.
- Hazardous polymerisation is not expected.

Avoid excessive heating and incompatible strong reactive chemicals.

SECTION 11 – TOXICOLOGICAL INFORMATION

Endpoint	Result
Oral LD ₅₀ , Rat	>2,000 mg/kg
Dermal LD ₅₀ , Rat	>2,000 mg/kg
Skin Irritation	Mild irritation at 100%
Eye Irritation	No irritation
Skin Sensitisation	No sensitising effect
Human HRIPT	No sensitising effect at 15%
Ames Mutagenicity	Negative
Chromosome Aberration	Negative
Mammalian Cell Gene Mutation	Negative

The available Symrise SDS reports these OECD/GLP test results.

No component at $\geq 0.1\%$ is identified in that US SDS as an IARC, OSHA or NTP carcinogen.

SECTION 12 – ECOLOGICAL INFORMATION

Endpoint	Result
Fish LC ₅₀	>0.8 mg/L
Daphnia EC ₅₀	>0.96 mg/L
Algae ErC ₅₀	5.17 mg/L
Fish Chronic NOEC	0.027 mg/L
Daphnia Chronic NOEC	≥ 0.039 mg/L
Biodegradation	97% / 28 days
OECD Biodegradation Test	OECD 301F
Status	Readily biodegradable
Log Koc	4.65
PBT	Not considered PBT
vPvB	Not considered vPvB

Symrise independently highlights Globalide® as 97% readily biodegradable.

Avoid uncontrolled discharge because the SDS states the material is toxic to aquatic life with long-lasting effects.

SECTION 13 – DISPOSAL CONSIDERATIONS



- Dispose according to applicable local regulations.
- Do not discharge into sewer systems.
- Avoid environmental release.
- Use licensed waste-management contractors.
- Do not reuse contaminated empty containers.

SECTION 14 – TRANSPORT INFORMATION

IMDG

Parameter	Details
UN Number	UN 3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name	Oxacyclohexadec-12-en-2-one
Class	9
Packing Group	III
Marine Pollutant	Yes
EmS	F-A, S-F

IATA

Parameter	Details
UN Number	UN 3082
Class	9
Packing Group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.

The Symrise SDS lists Globalide as UN3082 for IMDG and IATA and as a marine pollutant for sea transport.

SECTION 15 – REGULATORY INFORMATION

Review under:

- REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008
- Regulation (EU) 2020/878
- EU Cosmetics Regulation (EC) No. 1223/2009
- Regulation (EU) 2023/1545
- Current IFRA Standards
- Applicable destination-country transport and environmental legislation

Symrise lists the product in its current perfumery-ingredient portfolio as Product No. 106114, CAS 34902-57-3.

SECTION 16 – OTHER INFORMATION

Olfactive Profile



Globalide® is characterised by:

- Clean musk
- Fresh musk
- Dry woody musk
- Fruity/waxy nuances
- Powdery softness
- Metallic lift
- Long-lasting substantivity

Public technical descriptions consistently characterize it as a clean, fresh, dry, woody macrocyclic musk with pronounced powdery elements.

Sustainability

Symrise reports:

Ready biodegradability: 97%

DOCUMENT CONTROL

Item	Details
Product	Globalide® – Symrise
Product No.	106114
CAS	34902-57-3
Prepared By	Quality Assurance Department
Approved By	Abdul Wasay
Designation	Independent Perfumer & Creative Director

DISCLAIMER

This is a supplier-style SDS based substantially on an available Symrise Globalide® SDS, Product No. 106114, together with current Symrise product information.

The available manufacturer SDS is dated 30 April 2019. Before regulatory submission, shipment or formal workplace use, verify against the latest regional Symrise SDS because classification and transport requirements can change.

Where the current Symrise manufacturer documentation differs, the manufacturer documentation shall prevail.

Authorised by:

Fozia Khot
Director