



SAFETY DATA SHEET (SDS)

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

GLOBANONE®

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Parameter	Details
Product Name	Globanone®
Manufacturer	Symrise
Symrise Product No.	600317
Chemical Name	Cyclohexadec-8-en-1-one
Alternative Name	8-Cyclohexadecen-1-one
Commercial Name	Globanone®
CAS Number	3100-36-5
EC Number	401-700-2
EU REACH Registration No.	01-0000015154-78
Molecular Formula	C ₁₆ H ₂₈ O
Molecular Weight	236.4 g/mol
Chemical Class	Macrocyclic Ketone
Product Type	Synthetic Fragrance Ingredient
Olfactive Family	Musk

Symrise identifies the material as Cyclohexadec-8-en-1-one, CAS 3100-36-5, Product No. 600317.

1.2 Relevant Identified Uses

Professional applications include:

- Fine fragrance
- Eau de Parfum
- Eau de Toilette
- Musk accords
- Floral musks
- Cosmetic accords
- Powdery fragrances
- Balsamic compositions



- Shampoo and shower gel
- Soap
- Antiperspirant
- Deodorant
- Body lotion
- Detergent
- Fabric conditioner
- Household cleaning fragrance
- Incense and home fragrance

Symrise recommends a typical perfumery use level of:

1–20%

This is an olfactory recommendation and not the applicable IFRA maximum in the finished consumer product.

1.3 Uses Advised Against

- Direct undiluted consumer application
 - Internal consumption
 - Pharmaceutical use without separate assessment
 - Use contrary to applicable IFRA restrictions
 - Uncontrolled environmental discharge
 - Use without finished-product safety evaluation
-

1.4 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

1.5 Original Manufacturer

Symrise AG

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification



Current publicly available SDS documentation for Globanone 100% does not assign a general CLP/GHS hazard classification to the complete commercial product.

However, environmental and occupational precautions remain necessary.

Conservative Hazard Considerations

- May cause skin irritation in concentrated form.
- Direct eye contact may cause irritation.
- Avoid prolonged or repeated skin exposure.
- Avoid release to aquatic environments.

Some older regulatory documentation for Globanone grades identifies significant aquatic toxicity; current regional Symrise SDS documentation should therefore be checked before assigning final transport/environmental pictograms.

2.2 Signal Word

Refer to the current regional Symrise SDS.

2.3 Hazard Statements

Where required by the current regional manufacturer classification, environmental hazard statements may apply.

Do not issue a final CLP label from this supplier template alone.

2.4 Precautionary Statements

Recommended precautions:

- Avoid breathing vapours or aerosols.
 - Avoid contact with eyes.
 - Avoid prolonged skin contact.
 - Wash thoroughly after handling.
 - Wear protective gloves and eye protection.
 - Prevent uncontrolled environmental release.
 - Keep container tightly closed.
 - Dispose according to local regulations.
-

2.5 Other Hazards

- Pure Globanone may crystallise or partially solidify at lower temperatures.



- Spilled material may create a slippery surface.
- Heating may increase vapour generation.
- Strong fragrance concentration may cause discomfort in poorly ventilated rooms.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Component	CAS No.	Specification
Cyclohexadec-8-en-1-one	3100-36-5	Minimum 97% GC – sum of isomers

Globanone is supplied as a mixture of relevant cis/trans isomers of Cyclohexadec-8-en-1-one.

3.2 Additives

Additive	Status
Stabilizer	None
Added Carrier	None in Globanone 100%
Added Colour	None expected
Occurrence in Nature	No

Symrise also supplies:

- Globanone® 50% DEP – Product 600362
- Globanone® 50% DPG – Product 600363

These diluted grades require separate SDS and regulatory assessment.

SECTION 4: FIRST-AID MEASURES

4.1 Inhalation

- Move person to fresh air.
- Keep at rest.
- If unconscious, place in recovery position.
- Obtain medical advice if symptoms persist.
- Provide oxygen where breathing difficulty occurs and trained personnel are available.

4.2 Skin Contact

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



- Wash contaminated clothing before reuse.

4.3 Eye Contact

- Immediately rinse with plenty of water.
- Remove contact lenses where easy to do.
- Continue rinsing for several minutes.
- Obtain specialist medical attention if irritation persists.

4.4 Ingestion

- Rinse mouth.
- Do not induce vomiting.
- Keep airway clear.
- Never give anything by mouth to an unconscious person.
- Obtain medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Use:

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

5.2 Unsuitable Media

Avoid high-volume water jet directly onto burning material.

5.3 Specific Hazards

Symrise reports:

Flash Point: >100°C

The product is therefore not a highly volatile flammable liquid but can burn when strongly heated.

Combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours



- Smoke

5.4 Firefighter Protection

Wear:

- Self-contained breathing apparatus where necessary
- Full protective clothing
- Suitable gloves and footwear

Prevent contaminated fire water from entering drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

- Ensure adequate ventilation.
- Avoid skin and eye contact.
- Avoid breathing concentrated vapour.
- Wear suitable PPE.
- Keep unnecessary personnel away.

6.2 Environmental Precautions

Prevent entry into:

- Drains
- Surface water
- Groundwater
- Soil

Notify relevant authorities if significant environmental contamination occurs.

6.3 Cleanup

- Contain spill.
 - Absorb with sand, earth, diatomaceous earth, vermiculite or universal absorbent.
 - Transfer into suitable labelled containers.
 - Dispose according to local regulations.
-

SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling



- Use adequate ventilation.
- Avoid formation of aerosols.
- Avoid contact with eyes and prolonged skin contact.
- Do not eat, drink or smoke during handling.
- Wash hands thoroughly after use.
- Keep away from naked flames and excessive heat.

7.2 Storage

Store:

- In the original container
- Tightly closed
- In a dry location
- In a cool, well-ventilated area
- Protected from direct sunlight
- Away from ignition sources
- Away from strong oxidising agents

7.3 Crystallisation

Globanone may be:

Liquid to crystalline

depending on temperature.

If crystallisation occurs:

- Warm gently using controlled indirect heat.
- Do not use direct flame.
- Mix thoroughly after complete liquefaction.
- Allow the material to homogenise before sampling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational Exposure Limits

No specific workplace exposure limit is identified in the public documentation reviewed.

8.2 Engineering Controls

Use:

- Good general ventilation



- Local exhaust ventilation where necessary
- Closed transfer systems for larger quantities
- Accessible eyewash equipment

8.3 Personal Protective Equipment

Protection	Recommendation
Eyes	Tightly fitting safety goggles
Hands	Chemical-resistant gloves
Skin	Protective work clothing
Respiratory	Organic-vapour respiratory protection where ventilation is inadequate

8.4 Hygiene Measures

- Wash hands before breaks.
- Wash hands after handling.
- Do not eat or drink in handling areas.
- Remove contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Official Symrise Product Data

Property	Value
Appearance	Colourless to pale yellow
Physical Form	Liquid to crystalline
Odour	Musky, cosmetic, creamy, floral
GC Purity	Minimum 97% – sum of isomers
Molecular Formula	C ₁₆ H ₂₈ O
Molecular Weight	236.4 g/mol
Boiling Point	341.3°C
Flash Point	>100°C
Log P (Kow)	5.82
Stabilizer	None
Occurrence in Nature	No
Chemical Class	Macrocyclic ketone
Biodegradability	72% – readily biodegradable
Water Solubility	Very low / practically insoluble

SECTION 10: STABILITY AND REACTIVITY



10.1 Reactivity

No unusual chemical reactivity expected under normal handling.

10.2 Chemical Stability

Stable when handled and stored correctly.

10.3 Hazardous Reactions

No hazardous polymerisation expected.

10.4 Conditions to Avoid

Avoid:

- Excessive heat
- Flames
- Sparks
- Strong oxidising conditions

10.5 Incompatible Materials

Strong oxidising agents.

10.6 Hazardous Decomposition Products

Combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Organic decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

Available public data for Globanone and related commercial grades indicate relatively low acute toxicity.

Representative published values for Globanone-containing commercial grades include:

Endpoint	Result
Oral LD ₅₀ , Rat	>10,000 mg/kg
Dermal LD ₅₀ , Rabbit	>4,600 mg/kg

Potential effects:

- Prolonged skin contact may cause irritation.
- Direct eye contact may cause irritation.
- Concentrated vapours may be uncomfortable in poorly ventilated conditions.
- Finished products require their own safety assessment.



The IFRA 51 Standard nevertheless identifies dermal sensitization and systemic toxicity as the endpoints controlling maximum fragrance-use concentrations.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Biodegradability

Symrise reports:

72.0% – Readily Biodegradable

12.2 Bioaccumulative Potential

Log P = 5.82

indicating strong lipophilic character.

12.3 Aquatic Considerations

Avoid uncontrolled release.

Regulatory SDS documentation for Globanone-containing commercial grades reports significant aquatic toxicity; the current manufacturer SDS should be consulted for exact acute/chronic classification.

12.4 PBT / vPvB

Current commercial documentation should be used for definitive regional assessment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose through an authorised waste contractor.

Do not discharge concentrated product into:

- Drains
- Waterways
- Soil

Do not reuse contaminated empty containers without proper cleaning.

Dispose according to applicable local, national and regional requirements.

SECTION 14: TRANSPORT INFORMATION

Public transport classifications differ between commercial grades and SDS revisions.

Current supplier documentation for Globanone 100% has listed:



- ADR/RID: Not regulated
- IATA: Not regulated
- IMDG: Not regulated

However, other Globanone grades may carry environmental transport classification.

Before shipment:

Verify against the current original Symrise SDS for Product 600317, package size and transport mode.

SECTION 15: REGULATORY INFORMATION

Applicable frameworks include:

- REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008
- Regulation (EU) 2020/878
- Cosmetics Regulation (EC) No. 1223/2009
- Regulation (EU) 2023/1545
- IFRA Standards – 51st Amendment
- Applicable transport and occupational-safety regulations

IFRA Status

Globanone is specifically covered under the IFRA 51 Standard for:

CYCLOHEXADECENONE

SECTION 16: OTHER INFORMATION

Olfactive Profile

Globanone provides:

- Musk
- Cosmetic
- Creamy
- Floral
- Powdery
- Balsamic
- Soft animalic undertones
- Woody nuances

Symrise describes the material as giving a:



Rich, voluminous and balsamic rounding effect.

It also has synergistic effects with other macrocyclic musk ketones and lactones.

Recommended Use

Symrise Olfactory Recommendation:

1–20%

This does not override the IFRA 51 category restrictions.

DOCUMENT CONTROL

Parameter	Details
Product	Globanone® – Symrise
Product No.	600317
CAS No.	3100-36-5
Document Type	Safety Data Sheet / MSDS
Revision	1.0
Prepared By	Quality Assurance Department
Approved By	Abdul Wasay
Designation	Independent Perfumer & Creative Director

DISCLAIMER

This is a supplier-style SDS prepared using official Symrise technical information, IFRA documentation and currently available third-party safety information.

It is not the original Symrise-issued SDS.

Before workplace use, regulatory submission or shipment, verify all classification, transport and toxicological information against the latest original Symrise regional SDS for Product No. 600317.

Where a discrepancy exists, current Symrise documentation shall prevail.

Authorised by:

Fozia Khot
Director