



SAFETY DATA SHEET (SDS)

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

IRISNITRILE

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Parameter	Details
Product Name	Irisnitrile
Manufacturer	Symrise
Symrise Product No.	611465
Chemical Name	Non-2-enenitrile
Alternative Name	2-Nonenenitrile
Commercial Name	Irisnitrile
CAS Number	29127-83-1
EC Number	249-458-5
Molecular Formula	C ₉ H ₁₅ N
Molecular Weight	137.2 g/mol
Chemical Class	Nitrile
Product Type	Synthetic Fragrance Ingredient
Olfactive Family	Floral / Iris / Orris / Green

Symrise directly identifies Irisnitrile as Non-2-enenitrile, CAS 29127-83-1, Product No. 611465.

1.2 Relevant Identified Uses

Professional fragrance ingredient for:

- Fine fragrance
- Iris accords
- Orris accords
- Violet fragrances
- Floral-woody compositions
- Green-floral fragrances
- Powdery cosmetic accords
- Woody floral fragrances
- Shampoo
- Soap
- Deodorant



- Body care
- Laundry and household fragrance

Symrise Recommended Use Level

0.05–0.5%

This is perfumery guidance and not an IFRA maximum.

1.3 Uses Advised Against

- Internal consumption
- Direct undiluted consumer application
- Pharmaceutical use without assessment
- Use as a finished consumer product
- Uncontrolled environmental release

1.4 Supplier

Aromology Trading LLC
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

2.1 Classification

A historical IFF SDS for a fragrance mixture containing 2-Nonenenitrile, CAS 29127-83-1, identifies the neat constituent as:

Acute Toxicity – Oral, Category 4

Hazard Statement

H302 – Harmful if swallowed.

The material was present at 1–10% in that formulation and specifically classified Acute Tox. 4. Public chemical databases for the neat substance do not consistently assign additional GHS classifications.

Conservative Classification for Handling

WARNING

H302 – Harmful if swallowed.

Recommended Precautionary Statements

- P264: Wash hands thoroughly after handling.



- P270: Do not eat, drink or smoke when using this product.
- P280: Wear protective gloves and eye protection.
- P301+P312: IF SWALLOWED: Call a poison centre or physician if unwell.
- P330: Rinse mouth.
- P501: Dispose of contents/container in accordance with applicable regulations.

2.2 Other Hazards

- Avoid inhalation of concentrated vapour or aerosol.
- Avoid direct eye contact.
- Avoid prolonged skin exposure.
- The product has an extremely strong odour and should be handled at low concentrations.
- Spilled liquid may create a slipping hazard.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Component	CAS No.	Specification
Non-2-enenitrile / Irisnitrile	29127-83-1	Minimum 98% GC – sum of isomers

The product may consist of geometric isomers of 2-nonenenitrile.

Symrise specifies minimum 98% GC purity, sum of isomers.

3.2 Additives

Parameter	Status
Stabilizer	None
Added Carrier	None in neat Irisnitrile
Occurrence in Nature	No

Symrise also supplies:
Irisnitrile 1% TEC
Product No. 249829
which is a separately diluted commercial grade.

SECTION 4: FIRST-AID MEASURES

4.1 Inhalation

- Move affected person to fresh air.
- Keep at rest.
- Seek medical advice if coughing, dizziness, nausea or respiratory discomfort persists.



4.2 Skin Contact

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

4.3 Eye Contact

- Rinse cautiously with clean water for at least 15 minutes.
- Remove contact lenses where easy to do.
- Continue rinsing.
- Obtain medical advice if irritation persists.

4.4 Ingestion

- Rinse mouth.
- Do not induce vomiting unless instructed by medical personnel.
- Contact a poison centre or physician if unwell.

Because the material has been classified Acute Tox. 4, H302 in fragrance-industry SDS documentation, ingestion should be treated seriously.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Use:

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

5.2 Fire Characteristics

Symrise reports:

Flash Point: approximately 96 °C

and:

Boiling Point: 230.9 °C

The material is combustible when sufficiently heated but is not a highly volatile flammable liquid.

5.3 Combustion Products

May include:

- Carbon monoxide
- Carbon dioxide



- Nitrogen oxides
- Irritating nitrile-containing decomposition products
- Organic smoke

5.4 Firefighter Protection

Use:

- Self-contained breathing apparatus
 - Full protective clothing where necessary
-

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

- Ensure adequate ventilation.
- Avoid breathing vapours.
- Avoid skin and eye contact.
- Wear gloves and safety glasses.
- Keep unnecessary personnel away.

6.2 Environmental Precautions

Prevent uncontrolled discharge into:

- Drains
- Surface water
- Groundwater
- Soil

6.3 Cleanup

- Absorb using sand, vermiculite or inert absorbent.
 - Transfer to labelled waste containers.
 - Wash residual contamination with detergent and water.
 - Dispose through an authorised waste contractor.
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SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

- Use adequate ventilation.
- Avoid ingestion.
- Avoid direct eye contact.



- Avoid prolonged skin exposure.
- Wash hands after handling.
- Do not eat or drink in handling areas.
- Keep container tightly closed when not in use.

7.2 Storage

Store:

- In original tightly closed packaging
- Cool and dry
- In a well-ventilated area
- Protected from direct sunlight
- Away from excessive heat
- Away from strong oxidising agents

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational Exposure Limits

No substance-specific occupational exposure limit was identified in the reviewed public documentation.

8.2 Engineering Controls

- Good general ventilation
- Local exhaust during bulk transfer
- Eyewash station
- Closed-transfer equipment where practical

8.3 PPE

Protection	Recommendation
Eyes	Safety glasses / chemical goggles
Hands	Nitrile or chemically resistant gloves
Body	Protective work clothing
Respiratory	Organic-vapour protection where ventilation is inadequate

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Official Symrise Product Data

Property	Value
Appearance	Clear, colourless to light yellow liquid



Odour	Floral, iris, orris, green
GC Purity	Minimum 98% – sum of isomers
Molecular Formula	C ₉ H ₁₅ N
Molecular Weight	137.2 g/mol
Flash Point	Approx. 96°C
Boiling Point	230.9°C
Log P (Kow)	3.08
Stabilizer	No
Occurrence in Nature	No
Chemical Class	Nitrile
Renewable Factor	77.8%
Biodegradability	69.0% – readily biodegradable

These data are published directly by Symrise.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No unusual reactivity is expected under recommended handling conditions.

10.2 Stability

Stable under normal storage conditions.

10.3 Hazardous Reactions

Hazardous polymerisation is not expected.

10.4 Conditions to Avoid

Avoid:

- Excessive heat
- Strong oxidising conditions
- Prolonged unnecessary air exposure

10.5 Incompatible Materials

Strong oxidising agents.

10.6 Hazardous Decomposition Products

Combustion may generate:

- Carbon monoxide
 - Carbon dioxide
 - Nitrogen oxides
 - Irritating organic vapours
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Fragrance-industry SDS documentation identifies 2-Nonenenitrile as:

Acute Toxicity Category 4 – Oral
H302 – Harmful if swallowed.

11.2 Skin Irritation

No reliable public Symrise classification was located.
Avoid prolonged direct contact.

11.3 Eye Irritation

No reliable specific classification was located.
Direct contact should nevertheless be avoided.

11.4 Skin Sensitisation

No specific sensitisation classification was found in the reviewed product data.

11.5 Mutagenicity

No specific classification identified.

11.6 Carcinogenicity

No specific classification identified.

11.7 Reproductive Toxicity

No specific classification identified.

11.8 Aspiration Hazard

No specific classification identified.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Biodegradability

Symrise reports:
69.0% – Readily Biodegradable

12.2 Renewable Factor

77.8%
Symrise classifies Irisnitrile as containing significant renewable-carbon contribution.

12.3 Bioaccumulative Potential

Log P: 3.08

12.4 Environmental Precautions

Avoid unnecessary environmental release.

SECTION 13: DISPOSAL CONSIDERATIONS



Dispose through a licensed waste-management facility.
Do not discharge concentrated material into drains or waterways.
Empty containers may retain product residue.
Follow applicable local waste regulations.

SECTION 14: TRANSPORT INFORMATION

No definitive dangerous-goods classification for the current Symrise commercial product was located in the public manufacturer sheet.

Final shipping classification should therefore be verified against:

- Current original Symrise SDS
- Transport mode
- Package size
- Destination country

Do not assign a UN number solely from this supplier-style document.

SECTION 15: REGULATORY INFORMATION

Relevant frameworks include:

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

IFRA Status

An actual IFRA 51 certificate for Irisnitrile (Symrise) states:
NOT RESTRICTED AS SUCH
under IFRA Standards through the 51st Amendment.

SECTION 16: OTHER INFORMATION

Olfactive Profile

Symrise describes Irisnitrile as:

- Floral
- Iris



- Orris
- Green
- Highly diffusive
- Dry
- Powdery
- Cosmetic

It:

- Strengthens iris and violet flowers
- Modifies floral-woody compositions
- Modifies green-floral fragrances
- Emphasises dry, powdery cosmetic aspects

Recommended Use

0.05–0.5%

In the fragrance composition.

DISCLAIMER

This is a supplier-style SDS prepared from official Symrise technical data and available safety information for CAS 29127-83-1.

It is not the original Symrise Safety Data Sheet.

For final workplace hazard communication, transport or regulatory submission, the current regional Symrise SDS for Product No. 611465 shall prevail.

Authorised by:

Fozia Khot

Director