AROMOLOGY

SAFETY DATA SHEET (SDS)

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

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier

Parameter	Details
Product Name	Night Jasmine Oil CO_2
Alternative Name	Night-Flowering Jasmine CO_2 Extract
Common Names	Night Jasmine, Coral Jasmine, Parijat, Harsingar, Shiuli
Botanical Name	*Nyctanthes arbor-tristis* L.
INCI Name	Nyctanthes Arbor-Tristis Flower Extract
CAS Number	90064-34-9
EC Number	290-096-2
Extraction Method	Supercritical Carbon Dioxide Extraction
Plant Part	Flowers
Country of Origin	India
Product Type	Natural CO_2 Extract / Natural Complex Substance
Intended Grade	Professional Perfumery Grade

Despite its common name, *Nyctanthes arbor-tristis* is botanically distinct from true jasmine species of the genus *Jasminum*. It is a night-flowering plant native to South and Southeast Asia.

1.2 Relevant Identified Uses

- Professional perfumery
- Fine fragrance formulations
- Floral fragrance accords
- Cosmetic fragrance compounds
- Incense and bakhoor compositions
- Soap and toiletry fragrances
- Home fragrance
- Research and fragrance development

1.3 Uses Advised Against

- Internal consumption
- Direct undiluted application to skin

- Pharmaceutical or therapeutic use unless separately authorised
- Use in food or flavour applications unless specifically certified
- Use by children without appropriate adult or professional supervision

1.4 Supplier Details

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 Emergency Contact

Contact the local emergency service or national poison information centre.

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification According to Regulation (EC) No. 1272/2008

No complete harmonised CLP classification has been established specifically for Night Jasmine Flower CO_2 Extract.

Based on the nature of concentrated botanical extracts and the possible presence of naturally occurring fragrance constituents, the following precautionary classification is applied:

Hazard Class	Category	Hazard Statement
Skin Irritation	Category 2	H315
Skin Sensitisation	Category 1	H317
Eye Irritation	Category 2	H319
Hazardous to the Aquatic Environment, Chronic	Category 3	H412

This classification is representative and should be replaced by the classification shown on the original manufacturer's batch-specific SDS when available.

2.2 Label Elements

Signal Word

WARNING

Hazard Statements

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long-lasting effects.

Precautionary Statements

- P261: Avoid breathing vapour, mist or aerosol.
- P264: Wash exposed skin thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves and eye protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313: If skin irritation or rash occurs: Get medical advice.
- P337+P313: If eye irritation persists: Get medical advice.
- P501: Dispose of contents and container in accordance with applicable regulations.

2.3 Other Hazards

- Concentrated natural extracts may cause irritation or sensitisation in susceptible individuals.
- Oxidation during prolonged storage may increase skin-sensitising potential.
- Spilled product may make floors slippery.
- The product is not expected to meet PBT or vPvB criteria based on currently available information.
- No endocrine-disrupting properties are known at concentrations requiring declaration.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance Description

A natural complex extract obtained from the flowers of *Nyctanthes arbor-tristis* using supercritical carbon dioxide.

Component	CAS Number	EC Number	Concentration
Nyctanthes arbor-tristis Flower CO_2 Extract	90064-34-9	290-096-2	Up to 100%

3.2 Representative Naturally Occurring Constituents

Depending on crop, extraction conditions and degree of selectivity, the extract may contain:

- Floral aromatic compounds
- Benzyl alcohol derivatives
- Phenethyl alcohol derivatives
- Terpenoid alcohols
- Esters
- Carotenoid-related compounds
- Plant waxes
- Fatty acids
- Sterols
- Trace volatile fragrance allergens

The exact composition must be confirmed by batch-specific GC/MS or chromatographic analysis.

SECTION 4: FIRST-AID MEASURES

4.1 Description of First-Aid Measures

Inhalation

- Move the affected person to fresh air.
- Keep at rest in a position comfortable for breathing.
- Obtain medical advice if irritation, coughing, dizziness or discomfort persists.

Skin Contact

- Remove contaminated clothing.
- Wash affected skin thoroughly with soap and water.
- Do not clean the skin with solvents.
- Seek medical attention if irritation or rash develops.

Eye Contact

- Rinse cautiously with clean water for at least 15 minutes.
- Remove contact lenses if present and easy to do.

- Continue rinsing.
- Obtain medical advice if irritation persists.

Ingestion

- Rinse the mouth with water.
- Do not induce vomiting unless instructed by medical personnel.
- Never give anything by mouth to an unconscious person.
- Contact a physician or poison information centre if discomfort occurs.

4.2 Most Important Symptoms and Effects

- Skin redness or irritation
- Allergic skin reaction
- Eye redness, watering or discomfort
- Respiratory discomfort following inhalation of concentrated vapours
- Nausea or gastrointestinal discomfort if swallowed

4.3 Indication of Immediate Medical Attention

Treat symptomatically. Provide the attending physician with this Safety Data Sheet.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

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

5.2 Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet, as this may spread the product.

5.3 Special Hazards

Thermal decomposition or combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Smoke

- Irritating organic vapours
- Partially oxidised plant compounds

5.4 Advice for Firefighters

- Wear self-contained breathing apparatus.
- Wear full protective clothing.
- Cool exposed containers with water spray.
- Prevent contaminated firefighting water from entering drains or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

- Ensure adequate ventilation.
- Avoid breathing vapour or mist.
- Avoid skin and eye contact.
- Wear appropriate protective gloves and eye protection.
- Remove ignition sources as a precaution.

6.2 Environmental Precautions

- Prevent entry into drains, surface water and soil.
- Contain significant spills.
- Inform the relevant environmental authority where required.

6.3 Methods for Containment and Cleaning

- Absorb with sand, earth, vermiculite or universal absorbent.
- Transfer into a suitable labelled waste container.
- Clean the affected surface with detergent and water.
- Dispose of contaminated material through an authorised waste contractor.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- Handle in a well-ventilated area.
- Avoid breathing vapours or aerosols.
- Avoid direct skin and eye contact.

- Wear suitable personal protective equipment.
- Do not eat, drink or smoke while handling.
- Wash hands thoroughly after use.
- Keep containers closed when not in use.

7.2 Conditions for Safe Storage

Store:

- In the original tightly sealed container
- In a cool, dry and well-ventilated location
- Preferably between 5 °C and 20 °C
- Protected from direct sunlight and heat
- Protected from air and moisture
- Away from strong oxidising agents
- With minimum container headspace where practical

Refrigerated storage between 5 °C and 15 °C is recommended for long-term preservation of the olfactive profile.

7.3 Specific End Uses

For professional fragrance and cosmetic formulation after suitable dilution and safety assessment.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No occupational exposure limit has been established for the complete botanical extract.

Occupational exposure limits for any identified individual constituents should be observed where applicable.

8.2 Engineering Controls

- Provide adequate general ventilation.
- Use local exhaust ventilation when heating, spraying or handling large quantities.
- Provide eyewash facilities near the work area.

8.3 Personal Protective Equipment

Eye Protection

Chemical splash goggles or safety glasses with side protection.

Hand Protection

Wear chemical-resistant gloves such as:

- Nitrile rubber
- Neoprene
- Butyl rubber

Skin Protection

Wear protective work clothing and closed footwear.

Respiratory Protection

Where ventilation is insufficient, use an approved respirator fitted with an organic-vapour filter.

Environmental Exposure Controls

Avoid uncontrolled release into drains, soil and waterways.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Value
Physical State	Viscous liquid, semi-solid or mobile extract depending on temperature
Appearance	Clear to slightly cloudy extract
Colour	Yellow, orange-yellow to dark amber
Odour	Rich floral, narcotic, green, honeyed, jasmine-like and slightly indolic
Odour Threshold	Not determined
Melting/Softening Point	Batch dependent
Initial Boiling Point	Not determined for the complex extract
Flammability	Combustible
Lower Explosive Limit	Not determined
Upper Explosive Limit	Not determined
Flash Point	Expected to be above 60 °C; batch testing required
Auto-Ignition Temperature	Not determined
Decomposition	Not determined

Temperature	
pH	Not applicable
Viscosity	Batch and temperature dependent
Water Solubility	Insoluble or very slightly soluble
Solubility in Ethanol	Soluble to partially soluble; may become opalescent
Vapour Pressure	Low at ambient temperature
Relative Density at 20°C	Representative range: 0.900–1.050
Refractive Index at 20°C	Representative range: 1.450–1.520
Particle Characteristics	Not applicable

The above physical values are representative working specifications and must not be considered batch-certified results.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction is expected under recommended storage and handling conditions.

10.2 Chemical Stability

Stable when stored in tightly closed containers protected from heat, light, air and moisture.

10.3 Possibility of Hazardous Reactions

Oxidation, colour change, thickening or resinification may occur after prolonged exposure to air.

10.4 Conditions to Avoid

- Excessive heat
- Direct sunlight
- Prolonged air exposure
- Moisture
- Ignition sources

10.5 Incompatible Materials

- Strong oxidising agents
- Strong acids

- Strong alkalis
- Reactive halogen compounds

10.6 Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Irritating smoke
- Organic decomposition vapours

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Hazard Classes

Acute Toxicity

Insufficient product-specific data are available to classify the complete extract for acute oral, dermal or inhalation toxicity.

Skin Corrosion/Irritation

Concentrated material may cause skin irritation.

Serious Eye Damage/Irritation

Direct eye contact may cause significant temporary irritation.

Respiratory or Skin Sensitisation

May cause an allergic skin reaction in susceptible individuals because natural floral extracts may contain sensitising fragrance constituents.

Germ Cell Mutagenicity

No classification established based on available data.

Carcinogenicity

No classification established based on available data.

Reproductive Toxicity

No classification established based on available data.

STOT – Single Exposure

Concentrated vapours or aerosols may cause respiratory irritation, headache or discomfort.

STOT – Repeated Exposure

No classification established for the natural complex extract.

Aspiration Hazard

No product-specific aspiration classification has been established. Avoid ingestion and entry into the respiratory tract.

11.2 Other Information

Natural botanical extracts may vary in composition and sensitisation potential between batches.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Complete aquatic-toxicity data are not available.

As a concentrated aromatic botanical extract, the product should be treated as harmful to aquatic organisms and prevented from entering the environment.

12.2 Persistence and Degradability

Many naturally occurring plant constituents are expected to be biodegradable, although degradation rates vary.

12.3 Bioaccumulative Potential

Some lipophilic constituents may have bioaccumulative potential.

12.4 Mobility in Soil

The extract is poorly soluble in water and may adsorb to soil and sediment.

12.5 PBT and vPvB Assessment

The product is not expected to meet PBT or vPvB criteria based on available information.

12.6 Endocrine-Disrupting Properties

No known endocrine-disrupting properties requiring classification.

12.7 Other Adverse Effects

Avoid release into drains, soil, groundwater and surface water.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- Dispose of contents through a licensed chemical-waste contractor.
- Do not discharge into drains or waterways.
- Incineration in an approved facility may be appropriate.
- Empty containers may retain hazardous residues.
- Contaminated packaging should be disposed of according to local regulations.

SECTION 14: TRANSPORT INFORMATION

Based on the currently available representative information, the material is not automatically classified as dangerous goods for transport. The final transport classification must be based on the batch-specific flash point and environmental classification.

Transport Parameter	Representative Status
UN Number	Not assigned based on available data
UN Proper Shipping Name	Not regulated based on available data
Transport Hazard Class	Not assigned
Packing Group	Not assigned
Environmental Hazard	Avoid environmental release
Marine Pollutant	Not established
Special Precautions	Keep sealed, upright and protected from heat
Transport in Bulk	Not intended for transport in bulk

Where the tested flash point is 60 °C or below, or where the batch meets environmental-hazard criteria, an applicable dangerous-goods classification may be required.

SECTION 15: REGULATORY INFORMATION

This Safety Data Sheet has been prepared with reference to:

- Regulation (EC) No. 1907/2006 — REACH
- Regulation (EU) 2020/878
- Regulation (EC) No. 1272/2008 — CLP
- Regulation (EC) No. 1223/2009 — Cosmetic Products
- Commission Regulation (EU) 2023/1545
- Applicable ADR, IMDG and IATA transport provisions
- Current IFRA Standards

The cosmetic INCI reference identifies the material as a plant-derived solvent extract of the flowers of *Nyctanthes arbor-tristis*.

SECTION 16: OTHER INFORMATION

Full Hazard Statements

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long-lasting effects.

Recommended Shelf Life

24 months from the date of manufacture when stored unopened under recommended conditions.

Quality and Composition Notice

Night Jasmine Oil CO_2 is a natural complex botanical extract. Its colour, odour, viscosity and analytical composition may vary according to:

- Geographic growing area
- Climate
- Harvest period
- Flower maturity
- Extraction pressure and temperature
- Separation conditions

- Seasonal botanical variation

Regulatory and Analytical Limitation

No original producer SDS, batch-specific GC/MS profile, flash-point certificate or quantitative allergen report was supplied for preparation of this document.

The classification and physical values stated in this MSDS are therefore representative and precautionary. They must be replaced or confirmed using the original manufacturer's technical and analytical documentation before formal regulatory submission or dangerous-goods transport.

Disclaimer

The information in this Safety Data Sheet is based on currently available botanical identity information, representative technical data for natural floral CO_2 extracts and current regulatory knowledge.

It is intended as guidance for safe handling, storage, transport and use. It does not constitute a warranty of product properties or a batch-specific analytical certificate.

Users are responsible for assessing the suitability and safety of the product for their intended application and for complying with applicable laws and regulations.

AUTHORISED BY

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