



SAFETY DATA SHEET (SDS)

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

BLUE LOTUS SEED ESSENTIAL OIL

SECTION 1: IDENTIFICATION

Parameter	Details
Product Name	Blue Lotus Seed Essential Oil
Botanical Name	Nymphaea caerulea
Plant Part	Seeds
Country of Origin	India
Extraction Method	Supercritical CO ₂ Extraction
Product Type	Natural Botanical Aromatic Extract
Scent Family	Floral
Intended Use	Perfumery / Fragrance Formulation

The product identity, botanical name, origin, seed plant part and extraction method are confirmed by the product specification.

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

CLASSIFICATION

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Not determined due to insufficient seed-specific toxicological and compositional data.

There is currently insufficient validated safety data specifically for *Nymphaea caerulea* seed CO₂ extract to assign definitive GHS/CLP hazard categories.

SIGNAL WORD

Not assigned



HAZARD PICTOGRAMS

Not assigned

HAZARD STATEMENTS

Not established for this specific seed-derived material.

PRECAUTIONARY STATEMENTS

As a precaution when handling concentrated aromatic botanical material:

P264 – Wash hands thoroughly after handling.

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.

P501 – Dispose of contents/container in accordance with applicable regulations.

IMPORTANT SAFETY NOTE

Available Blue Lotus SDS documents relate mainly to flower, absolute or whole-plant extracts and show differing classifications. For example, an Indian whole-plant Blue Lotus material carries H304/H317/H320/H410, whereas other Blue Lotus CO₂ materials use different classifications.

Those classifications should not automatically be transferred to this seed CO₂ extract.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Identification	Concentration
Blue Lotus Seed CO ₂ Extract	Nymphaea caerulea	100%
Plant Part	Seeds	—
CAS Number	Not Assigned / Not Available	—
EC Number	Not Assigned / Not Available	—
Extraction Method	Supercritical CO ₂ Extraction	—
Origin	India	—

CHEMICAL CHARACTER

Natural Complex Substance (NCS)

The product is a naturally derived botanical aromatic material containing multiple naturally occurring constituents rather than a single defined chemical substance.

Published research confirms that *Nymphaea caerulea* extracts can contain complex mixtures of hydrocarbons, aromatic alcohols, fatty acids, phenyl derivatives, diterpenoids, phytosterols and related botanical constituents. However, those published analyses primarily concern flower-derived materials and should not be represented as the quantitative composition of this seed extract.



SECTION 4: FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air.

Keep comfortable for breathing.

Seek medical advice if irritation, dizziness or other symptoms develop or persist.

SKIN CONTACT

Remove contaminated clothing.

Wash affected skin thoroughly with soap and plenty of water.

If irritation or allergic reaction develops, seek medical attention.

EYE CONTACT

Immediately rinse cautiously with clean water for several minutes.

Remove contact lenses if present and easy to do.

Continue rinsing for at least 15 minutes.

Seek medical attention if irritation persists.

INGESTION

Rinse mouth thoroughly.

Do not induce vomiting.

Seek medical advice if significant quantities have been swallowed or symptoms occur.

MOST IMPORTANT SYMPTOMS

Seed-specific toxicological effects have not been established.

Concentrated botanical aromatic materials may cause irritation or sensitivity in susceptible individuals.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use:

- Carbon dioxide (CO₂)
- Dry chemical powder
- Alcohol-resistant foam
- Water fog

UNSUITABLE EXTINGUISHING MEDIA

Do not use a direct high-pressure water jet.

SPECIAL HAZARDS

Thermal decomposition or combustion may produce:

- Carbon monoxide



- Carbon dioxide
- Smoke
- Irritating organic vapours

PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear appropriate protective equipment.

Self-contained breathing apparatus should be used where necessary.

FLASH POINT

Not determined for this specific seed CO₂ extract.

Do not substitute the flash point of Blue Lotus flower absolute or another Blue Lotus extract.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

- Ensure adequate ventilation.
- Avoid contact with eyes.
- Avoid prolonged or repeated skin contact.
- Avoid breathing concentrated vapour or mist.
- Wear protective gloves.
- Wear safety glasses or goggles.

ENVIRONMENTAL PRECAUTIONS

Do not allow concentrated material to enter:

- Drains
- Sewers
- Surface waters
- Groundwater
- Soil

METHODS FOR CLEANING

Contain the spill.

Absorb using:

- Sand
- Vermiculite
- Diatomaceous earth
- Universal chemical absorbent

Collect absorbed material into suitable labelled containers for disposal.



Wash contaminated surfaces appropriately.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING

- Handle in a well-ventilated area.
- Avoid eye contact.
- Avoid prolonged skin contact.
- Do not ingest.
- Avoid breathing concentrated vapour or mist.
- Wear gloves during weighing, decanting and filling.
- Wear suitable eye protection.
- Wash hands thoroughly after handling.
- Keep container closed when not in use.

STORAGE CONDITIONS

Store:

- In tightly closed containers
- In a cool, dry location
- Protected from direct sunlight
- Protected from excessive heat
- In a well-ventilated area
- Away from ignition sources
- Away from strong oxidising substances

For quality preservation, minimize unnecessary exposure to heat, light and air.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

No specific occupational exposure limit established for Blue Lotus Seed CO₂ Extract.

ENGINEERING CONTROLS

Provide adequate general ventilation.

Local exhaust ventilation is recommended where concentrated vapours, aerosols or mists may be generated.

PERSONAL PROTECTIVE EQUIPMENT

Protection	Recommendation
Eye Protection	Safety glasses / protective goggles
Hand Protection	Chemical-resistant protective gloves



Protection	Recommendation
Skin Protection	Suitable protective clothing
Respiratory Protection	Normally not required with adequate ventilation
Respiratory Protection – Poor Ventilation	Suitable organic-vapour protection
Hygiene	Wash hands thoroughly after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Physical State	Liquid
Appearance	Pale yellow liquid
Odour	Characteristic aromatic / floral
Scent Family	Floral
Scent Profile	Candy, medicinal, soapy, inky, spicy, cherry, fennel, floral
Botanical Source	Nymphaea caerulea
Plant Part	Seeds
Extraction	Supercritical CO ₂
CAS Number	Not Assigned / Not Available
Relative Density	Not determined
Refractive Index	Not determined
Optical Rotation	Not determined
Flash Point	Not determined
Boiling Point	Not determined
Vapour Pressure	Not determined
Water Solubility	Not determined
Log P	Not determined

The pale-yellow liquid appearance and scent profile are from the specific product specification. Do not substitute analytical values from Blue Lotus flower absolute or whole-plant extracts.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY

No specific hazardous reaction is known under normal recommended handling conditions.

CHEMICAL STABILITY

Expected to be stable when appropriately stored in a tightly closed container protected from excessive heat and light.

POSSIBILITY OF HAZARDOUS REACTIONS

No specific hazardous polymerisation or reaction known.



CONDITIONS TO AVOID

Avoid:

- Excessive heat
- Direct sunlight
- Open flames
- Sparks
- Prolonged exposure to air
- Contamination

INCOMPATIBLE MATERIALS

Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may generate:

- Carbon monoxide
- Carbon dioxide
- Smoke
- Irritating organic vapours

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

No reliable seed-specific data available.

SKIN CORROSION / IRRITATION

No seed-specific classification established.

Avoid prolonged contact with undiluted material.

SERIOUS EYE DAMAGE / IRRITATION

No seed-specific classification established.

Direct eye contact should be avoided.

SKIN SENSITISATION

No seed-specific classification established.

MUTAGENICITY

Data not available.

CARCINOGENICITY

Data not available.



REPRODUCTIVE TOXICITY

Data not available.

STOT – SINGLE EXPOSURE

Data not available.

STOT – REPEATED EXPOSURE

Data not available.

ASPIRATION HAZARD

Not determined for this specific material.

Published scientific work specifically notes that safety information for *Nymphaea caerulea* and its extracts as a whole is limited.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

Seed-specific data not available.

PERSISTENCE AND DEGRADABILITY

Data not available.

BIOACCUMULATIVE POTENTIAL

Data not available.

MOBILITY IN SOIL

Data not available.

PBT / vPvB ASSESSMENT

Not determined.

ENVIRONMENTAL PRECAUTION

As a precaution, avoid uncontrolled release of concentrated product into:

- Drains
- Waterways
- Groundwater
- Soil

No aquatic-toxicity classification should be invented without seed-specific compositional or test data.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents in accordance with applicable local, regional and national regulations.



Do not discharge concentrated material into drains or natural waterways.

Dispose through an authorised chemical-waste facility where required.

Contaminated packaging should be handled in accordance with applicable waste regulations.

SECTION 14: TRANSPORT INFORMATION

Because there is no validated seed-specific flash point or dangerous-goods classification available, I would **not assign a UN number based on another Blue Lotus extract**.

Transport Information	Status
UN Number	Not established
UN Proper Shipping Name	Not established
Transport Hazard Class	Not established
Packing Group	Not established
ADR/RID	Not determined
IMDG	Not determined
IATA	Not determined
Marine Pollutant	Not determined
Environmental Hazard	Not determined

Transport classification must be confirmed from validated physical/chemical and environmental data before dangerous-goods shipment.

SECTION 15: REGULATORY INFORMATION

PRODUCT REGULATORY IDENTITY

Parameter	Details
Commercial Name	Blue Lotus Seed Essential Oil
Botanical Name	Nymphaea caerulea
Plant Part	Seeds
Extraction Method	Supercritical CO ₂ Extraction
Origin	India
CAS Number	Not Assigned / Not Available
EC Number	Not Assigned / Not Available
Substance Type	Natural Complex Botanical Material

REGULATORY FRAMEWORK

Where applicable:



- Regulation (EC) No. 1907/2006 – REACH
- Regulation (EC) No. 1272/2008 – CLP
- Regulation (EU) 2020/878
- Regulation (EC) No. 1223/2009 – Cosmetics
- Applicable IFRA Standards

CAS DECLARATION

No specific CAS number has been assigned or confirmed for this seed-derived Supercritical CO₂ extract of *Nymphaea caerulea*.

CAS numbers associated with Blue Lotus flower extracts, absolutes, whole-plant extracts or other extraction types should not be automatically assigned to this product.

SECTION 16: OTHER INFORMATION

PRODUCT DESCRIPTION

Blue Lotus Seed Essential Oil is a rare natural aromatic material obtained from the seeds of *Nymphaea caerulea* by Supercritical CO₂ extraction.

The specific product is described as a pale-yellow liquid with a complex aromatic profile including:

Floral • Candy • Medicinal • Soapy • Inky • Spicy • Cherry • Fennel

PERFUMERY APPLICATION

Suitable for use in:

- Fine fragrance
- Natural perfumery
- Oriental compositions
- Oud fragrances
- White-floral compositions
- Floral accords
- Attars
- Incense-inspired compositions

CAS NUMBER

NOT ASSIGNED / NOT AVAILABLE

IMPORTANT REGULATORY STATEMENT

This product is a natural complex botanical aromatic material obtained from the seeds of *Nymphaea caerulea* by Supercritical CO₂ extraction. No specific CAS or EC number has been assigned or confirmed for this seed-derived material.



CAS numbers associated with Blue Lotus flower absolute, flower oil, whole-plant extract or other *Nymphaea caerulea* preparations are not considered appropriate identifiers for this product unless subsequently confirmed by the original manufacturer.

DISCLAIMER

This SDS has been prepared for Blue Lotus Seed Essential Oil (India), *Nymphaea caerulea*, Supercritical CO₂ seed extract. No validated seed-specific CAS number or complete toxicological dataset was identified. Accordingly, hazard classifications and numerical physicochemical values from Blue Lotus flower, absolute or whole-plant products have **not been copied into this SDS**. Where batch-specific analytical or manufacturer safety data become available, this SDS should be reviewed and updated accordingly.

Authorised by:

Fozia Khot
Director