



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

Item	Details
Product Name	Lavender CO ₂ Organic Extract
Synonyms	Lavender Flower CO ₂ Extract, Lavender CO ₂ Select Extract
Botanical Name	<i>Lavandula angustifolia</i> Mill.
INCI Name	Lavandula Angustifolia Flower Extract
CAS Number	8000-28-0
EC Number	289-995-2
Plant Part	Organic Dried Flowers
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Country of Origin	France
Product Type	Natural Organic CO ₂ Extract
Recommended Use	Professional perfumery, cosmetics and fragrance manufacture
Uses Advised	Internal consumption, vaping, smoking or undiluted skin
Against	application

Lavender CO₂ Organic Extract is produced by supercritical carbon dioxide extraction of organically grown *Lavandula angustifolia* flowers. The process uses natural CO₂ without organic solvents, preserving a broader spectrum of aromatic constituents than conventional steam distillation.

SUPPLIER DETAILS

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SECTION 2: HAZARD IDENTIFICATION

GHS / CLP CLASSIFICATION (REPRESENTATIVE)



Hazard Class	Classification
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Eye Irritation	Category 2
Aquatic Chronic Toxicity	Category 3

Representative classification is based on published Safety Data Sheets for Lavender CO₂ Extract and Lavender Absolute.

Signal Word

DANGER

Hazard Statements

- H304: May be fatal if swallowed and enters airways.
- 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

- Avoid breathing vapours or mists.
- Wear protective gloves and eye protection.
- Wash thoroughly after handling.
- Avoid release into the environment.
- IF SWALLOWED: Immediately call a poison centre or physician. Do not induce vomiting.
- IF ON SKIN: Wash with soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes.
- Dispose of contents and container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Content
Lavender CO ₂ Organic Extract (<i>Lavandula angustifolia</i>)	8000-28-0	Approximately 100%

REPRESENTATIVE NATURAL CONSTITUENTS



- Linalool
- Linalyl Acetate
- Lavandulol
- Lavandulyl Acetate
- Terpinen-4-ol
- β -Caryophyllene
- Coumarins
- Wax fractions naturally extracted by CO₂

The CO₂ extraction process preserves volatile aroma compounds together with heavier oxygenated constituents and natural waxes not typically present in steam-distilled essential oil.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the affected person to fresh air. Obtain medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if irritation or sensitisation develops.

Eye Contact

Flush cautiously with clean water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Ingestion

Do **not** induce vomiting because of the aspiration hazard. Immediately obtain medical attention.

Most Important Symptoms

- Skin irritation
 - Allergic skin reaction
 - Eye irritation
 - Aspiration hazard
 - Gastrointestinal discomfort
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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Media

High-pressure water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Protective Equipment

Self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources.
 - Wear suitable PPE.
 - Prevent release into drains and waterways.
 - Absorb with inert absorbent material.
 - Dispose of according to local regulations.
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SECTION 7: HANDLING AND STORAGE

Handling

- Use only in well-ventilated areas.
- Avoid prolonged skin and eye contact.
- Avoid breathing concentrated vapours.
- Observe good industrial hygiene.



Storage

Store:

- In tightly sealed containers.
- In a cool, dry and well-ventilated place.
- Away from direct sunlight.
- Away from heat and oxidising agents.
- Out of reach of children.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection	Recommendation
Eye Protection	Chemical safety goggles
Hand Protection	Nitrile gloves
Skin Protection	Protective clothing
Respiratory Protection	Organic vapour respirator where ventilation is inadequate

No occupational exposure limits have been established for Lavender CO₂ Organic Extract.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Value
Appearance	Green to olive-green viscous liquid or semi-viscous extract
Odour	Rich lavender, floral, herbaceous, sweet, honey-like
Relative Density (20 °C)	0.920–0.980
Refractive Index (20 °C)	1.460–1.490
Flash Point	>70 °C
Solubility	Insoluble in water; soluble in ethanol and fixed oils
Physical State	Liquid / Semi-viscous extract

Representative values are based on published specifications for Lavender CO₂ extracts.

SECTION 10: STABILITY AND REACTIVITY

- Stable under recommended storage conditions.
- Avoid excessive heat and direct sunlight.
- Avoid strong oxidising agents.
- Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin
- Eyes
- Inhalation
- Ingestion

Potential effects:

- Skin irritation.
- Allergic skin sensitisation.
- Eye irritation.
- Aspiration hazard if swallowed.
- Mild respiratory irritation following prolonged exposure to concentrated vapours.

SECTION 12: ECOLOGICAL INFORMATION

- Harmful to aquatic organisms with long-lasting effects.
- Avoid uncontrolled environmental release.
- Poor water solubility.
- Biodegradable under normal environmental conditions.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and contaminated packaging through an authorised waste disposal contractor.

Do not discharge into drains, waterways or soil.

SECTION 14: TRANSPORT INFORMATION

Item	Representative Information
UN Number	Not specifically regulated (verify with current supplier SDS)
Transport Class	Not regulated
Packing Group	Not applicable
Marine Pollutant	No

Transport classification should always be confirmed using the original manufacturer's Safety Data Sheet.



SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EU) 2020/878
- Regulation (EC) No. 1223/2009
- United Nations Globally Harmonized System (GHS)

SECTION 16: OTHER INFORMATION

Item	Details
Document Type	Material Safety Data Sheet (MSDS)
Version	1.0
Issue Date	20 July 2026

Disclaimer

This MSDS provides representative safety information for Lavender CO₂ Organic Extract.

As a natural CO₂ extract, composition and physical characteristics vary according to botanical origin, harvest season and extraction conditions. The original manufacturer's current Safety Data Sheet and Certificate of Analysis shall always take precedence.

This material is intended exclusively for professional perfumery and cosmetic manufacture. It is not intended for internal consumption and should be stored securely out of the reach of children.

Authorised by:

Fozia Khot
Director