



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	Linden Blossom CO ₂ Total Extract
Synonyms	Linden Flower CO ₂ Extract, Lime Blossom CO ₂ Extract
Botanical Name	<i>Tilia cordata</i> Mill.
INCI Name	Tilia Cordata Flower Extract
CAS Number	84929-52-2
EC Number	284-531-0
Plant Part	Fresh Blossoms
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Country of Origin	Bulgaria
Product Type	Natural CO ₂ Total Extract
Recommended Use	Professional perfumery, cosmetic manufacture and fragrance applications
Uses Advised Against	Internal consumption, pharmaceutical use or undiluted skin application

Linden Blossom CO₂ Total Extract is obtained by supercritical CO₂ extraction of fresh blossoms of *Tilia cordata*. It possesses an intense honeyed, floral, green aroma that closely resembles the scent of fresh linden flowers and is highly valued in fine perfumery.

SUPPLIER DETAILS

Aromology Trading LLC
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SECTION 2: HAZARD IDENTIFICATION

GHS / CLP CLASSIFICATION



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

Representative classification based on published Safety Data Sheets for Linden Blossom CO₂ Extract.

Signal Word

DANGER

Hazard Statements

- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

- Keep away from heat, sparks and open flames.
- Wear protective gloves, protective clothing and eye protection.
- Avoid breathing vapours.
- Avoid release into the environment.
- IF SWALLOWED: Immediately call a poison centre or physician. Do not induce vomiting.
- IF ON SKIN: Wash thoroughly with soap and water.
- Dispose of contents and container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Content
Linden Blossom CO ₂ Total Extract (<i>Tilia cordata</i>)	84929-52-2	Approximately 100%

Representative Natural Constituents

- Farnesol



- Benzyl Alcohol
- Linalool
- Phenethyl Alcohol
- Long-chain waxes
- Natural fatty acids
- Minor aromatic esters and terpenoids

Composition naturally varies according to harvest season, growing conditions and extraction parameters.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the exposed person to fresh air. Obtain medical attention if symptoms persist.

Skin Contact

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

Eye Contact

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

Ingestion

Do **not** induce vomiting because of aspiration hazard. Obtain immediate 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 all ignition sources.
- Wear suitable PPE.
- Prevent entry into drains and waterways.
- Absorb using inert material such as sand or vermiculite.
- Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

- Use in well-ventilated areas.
- Avoid contact with skin and eyes.
- Avoid breathing concentrated vapours.
- Observe good industrial hygiene practices.

Storage



Store:

- In tightly closed original containers.
- In a cool, dry location.
- Protected from direct sunlight.
- At temperatures preferably below 10°C.
- Away from oxidising materials and ignition sources.

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 specifically for Linden Blossom CO₂ Total Extract.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Value
Appearance	Brown-green waxy material (solid/semi-solid below room temperature)
Odour	Rich floral, honey-like, sweet, green
Physical State	Waxy extract
Flash Point	>65°C
Solubility in Water	Insoluble
Solubility in Ethanol	Partially soluble
Storage Temperature	<10°C recommended

Representative physical characteristics are based on published specifications.

SECTION 10: STABILITY AND REACTIVITY

- Stable under recommended storage conditions.
- Avoid excessive heat.



- Avoid strong oxidising agents.
 - Hazardous decomposition products include carbon monoxide and carbon dioxide.
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SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin
- Eyes
- Inhalation
- Ingestion

Potential effects include:

- Skin irritation.
 - Skin sensitisation.
 - Eye irritation.
 - Aspiration hazard if swallowed.
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SECTION 12: ECOLOGICAL INFORMATION

- Very toxic to aquatic organisms with long-lasting effects.
 - Avoid uncontrolled environmental release.
 - Poor water solubility.
 - Naturally biodegradable over time.
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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
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UN Number	Refer to current supplier SDS
Transport Classification	Refer to supplier SDS
Packing Group	Refer to supplier SDS
Marine Pollutant	Yes (representative classification)

Transport classification should always be verified using the current 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 Linden Blossom CO₂ Total Extract (*Tilia cordata*). As a natural CO₂ extract, composition and physical characteristics vary according to harvest, origin 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