



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

Product Identifier

Product Name: Spearmint Essential Oil CO₂

Common Name: Spearmint CO₂ Extract

Botanical Name: *Mentha spicata* L.

INCI Name: *Mentha Spicata* Herb Extract

CAS Number: 8008-79-5

EC Number: 283-723-2

Product Type: Supercritical CO₂ Extract

Extraction Method: Supercritical Carbon Dioxide (CO₂)

Recommended Use

Perfumery raw material intended for fragrance creation, cosmetic manufacture, and aromatics.

Professional use only.

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Email: info@aromology.com
Website: www.aromology.com



SECTION 2: Hazard Identification

Classification (GHS)

Based on available information for concentrated mint extracts, this product is classified as:

- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Skin Sensitisation – Category 1
- Aspiration Hazard – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 2

Signal Word

Danger

Hazard Pictograms

- GHS08 – Health Hazard
- GHS07 – Exclamation Mark
- GHS09 – Environment

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.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours or mist.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.
- P331 Do NOT induce vomiting.



- 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.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	EC No.	Concentration
Spearmint CO ₂ Extract (<i>Mentha spicata</i>)	8008-79-5	283-723-2	100%

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air.

Keep warm and at rest.

Seek medical attention if symptoms persist.

Skin Contact

Remove contaminated clothing.

Wash thoroughly with soap and water.

Seek medical attention if irritation or sensitisation develops.

Eye Contact

Immediately rinse cautiously with water for at least 15 minutes.

Remove contact lenses if present.

Seek medical advice if irritation persists.

Ingestion

Rinse mouth.

Do not induce vomiting.



Immediately seek medical attention due to aspiration hazard.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Do not use a direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic fumes

Protective Equipment

Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental Release Measures

Wear suitable personal protective equipment.

Prevent entry into drains and waterways.

Absorb with inert absorbent material.

Collect into suitable waste containers.

Clean contaminated area thoroughly.

SECTION 7: Handling and Storage



Handling

- Avoid skin and eye contact.
- Avoid inhalation of vapours.
- Use only in well-ventilated areas.
- Observe good industrial hygiene practices.

Storage

Store in tightly closed original containers.

Store in a cool, dry and well-ventilated location.

Protect from direct sunlight and excessive heat.

Keep away from oxidising agents.

Recommended storage temperature: 15–25 °C

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical-resistant nitrile gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Body Protection

Protective laboratory clothing.



SECTION 9: Physical and Chemical Properties

Property	Specification
Appearance	Dark green to olive green viscous liquid
Odour	Rich, sweet, minty, herbaceous, fresh spearmint
Physical State	Viscous liquid
Relative Density (20 °C)	0.940–1.000
Refractive Index (20 °C)	1.4850–1.4950
Flash Point	>100 °C
Solubility	Insoluble in water
Solubility in Ethanol	Soluble

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Conditions to Avoid

- Excessive heat
- Flames
- Direct sunlight
- Strong oxidising agents

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and irritating organic fumes.

SECTION 11: Toxicological Information

Based on available information:

- Causes skin irritation.
 - May cause allergic skin reactions.
 - Causes eye irritation.
 - Aspiration hazard if swallowed.
 - No known carcinogenic or mutagenic effects under intended conditions of use.
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SECTION 12: Ecological Information

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.

Expected to be biodegradable.

SECTION 13: Disposal Considerations

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

Do not discharge into drains or waterways.

SECTION 14: Transport Information

Item	Information
UN Number	UN1169
Proper Shipping Name	Extracts, Aromatic, Liquid
Transport Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

SECTION 15: Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - REACH Regulation (EC) No. 1907/2006
 - CLP Regulation (EC) No. 1272/2008
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SECTION 16: Other Information

Spearmint Essential Oil CO₂ is a premium supercritical carbon dioxide extract obtained from the aerial parts of *Mentha spicata*. Compared with the steam-distilled essential oil,



the CO₂ extract offers a fuller, richer and more herbaceous aroma while preserving a broader spectrum of naturally occurring aromatic constituents. It is widely used in fine fragrance, flavour, cosmetic and aromatherapy applications. Appropriate industrial hygiene practices and suitable personal protective equipment should be used during handling.

The information contained in this Safety Data Sheet is believed to be accurate at the date of issue and is intended solely as guidance for the safe handling, storage, transport and use of this material. It does not constitute a warranty regarding product properties or suitability for any particular application.

Authorised By:
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