



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	Juniper Berry Essential Oil CO ₂
Synonyms	Juniper Berry CO ₂ Extract, Juniper Berry Oil CO ₂
Botanical Name	<i>Juniperus communis</i> L.
INCI Name	Juniperus Communis Fruit Oil
CAS Numbers	8002-68-4
EC Number	283-268-3
FEMA Number	2604
Plant Part	Dried Berries (Fruit)
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Product Type	Natural Essential Oil / CO ₂ Extract
Recommended Use	Professional perfumery, cosmetics, aromatherapy and fragrance manufacture
Uses Advised Against	Internal consumption, vaping, smoking or undiluted skin application

Supercritical CO₂ extraction produces a solvent-free extract that preserves the characteristic volatile profile of juniper berries without leaving solvent residues.

SUPPLIER DETAILS

Aromology Trading LLC
G05 Al Ghazal Building
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SECTION 2: HAZARD IDENTIFICATION

GHS / CLP CLASSIFICATION

Hazard Class	Classification
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Flammable Liquid	Category 3
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Eye Irritation	Category 2
Skin Sensitisation	Category 1
Aquatic Hazard (Acute)	Category 1
Aquatic Hazard (Chronic)	Category 1

These classifications are consistent with published safety information for juniper berry essential oil and CO₂ extracts.

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.
- H319: Causes serious eye irritation.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Keep away from heat, sparks and open flames.
- Avoid breathing vapours.
- Wear suitable gloves and eye protection.
- 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.
- IF IN EYES: Rinse cautiously with water for several minutes.
- Dispose of contents in accordance with local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Content
Juniper Berry CO ₂ Extract (<i>Juniperus communis</i>)	8002-68-4	Approximately 100%



REPRESENTATIVE NATURAL CONSTITUENTS

- α -Pinene
- Myrcene
- Sabinene
- β -Pinene
- Limonene
- Terpinene-4-ol
- α -Terpineol
- Caryophyllene
- Germacrene D
- Terpinolene

Published technical specifications indicate α -pinene and myrcene as the principal constituents of Juniper Berry CO₂ oil.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move 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 with clean water for at least 15 minutes. Obtain medical attention if irritation persists.

Ingestion

Do not induce vomiting due to aspiration hazard. Immediately contact a physician or poison centre.

Most Important Symptoms

- Skin irritation
- Allergic skin reaction
- Eye irritation
- Aspiration hazard



- Gastrointestinal discomfort

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighter Protection

Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources.
- Ensure adequate ventilation.
- Wear suitable PPE.
- Prevent release to drains and waterways.
- Absorb with inert material such as sand or vermiculite.
- Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling



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

Storage

Store:

- In tightly closed containers.
- In a cool, dry, well-ventilated location.
- Away from sunlight and heat.
- Away from 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 the complete natural extract.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Value
Appearance	Pale yellow to brownish-yellow mobile liquid
Odour	Fresh, woody, balsamic, resinous, characteristic of juniper berries
Relative Density (25 °C)	0.885–0.922
Refractive Index (20 °C)	1.467–1.526
Optical Rotation	+5° to +15°
Flash Point	Approximately 51 °C
Solubility	Insoluble in water; soluble in ethanol
Physical State	Liquid

Representative specifications are consistent with published CO₂ extract technical data.



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

Possible effects include:

- Skin irritation.
- Allergic skin sensitisation.
- Serious eye irritation.
- Aspiration hazard if swallowed.
- Respiratory discomfort following prolonged exposure to concentrated vapours.

SECTION 12: ECOLOGICAL INFORMATION

- Very toxic to aquatic organisms.
- May cause long-lasting environmental effects.
- Avoid uncontrolled environmental release.
- Some terpene constituents may bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

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



Do not discharge into drains, waterways or soil.

SECTION 14: TRANSPORT INFORMATION

Item	Representative Information
UN Number	UN 1993
Proper Shipping Name	Flammable Liquid, N.O.S. (Contains Terpenes)
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes (where applicable)

Transport classification should always be confirmed using the manufacturer's current SDS.

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 GHS
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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 Juniper Berry Essential Oil CO₂ Extracted.

As a natural botanical extract, composition and analytical characteristics vary according to origin, harvest, extraction conditions and production batch. The original



manufacturer's Safety Data Sheet and Certificate of Analysis shall always take precedence.

This material is intended solely for professional fragrance 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