



## SAFETY DATA SHEET (SDS)

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

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### SECTION 1: Identification

| Item                 | Details                                                                   |
|----------------------|---------------------------------------------------------------------------|
| Product Name         | Juniper Berry Essential Oil                                               |
| Synonyms             | Juniper Oil, Juniper Berry Oil                                            |
| Botanical Name       | <i>Juniperus communis</i> L.                                              |
| INCI Name            | Juniperus Communis Fruit Oil                                              |
| CAS Number           | 8002-68-4                                                                 |
| EC Number            | 283-268-3                                                                 |
| FEMA Number          | 2604                                                                      |
| Plant Part           | Berries (Fruit Cones)                                                     |
| Extraction Method    | Steam Distillation                                                        |
| Product Type         | Natural Essential Oil                                                     |
| Recommended Use      | Professional perfumery, fragrance formulation, cosmetics and aromatherapy |
| Uses Advised Against | Internal consumption, vaping, smoking or undiluted skin application       |

Juniper Berry Essential Oil is obtained by steam distillation of the ripe berries of *Juniperus communis* L. and is widely used in fine fragrance, cosmetics and flavour applications.

### SUPPLIER DETAILS

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

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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     |
| Eye Irritation           | Category 2     |
| Aquatic Hazard (Chronic) | Category 2     |

The classification is representative of published Safety Data Sheets for steam-distilled Juniper Berry Essential Oil.

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

## PRECAUTIONARY STATEMENTS

- Keep away from heat, sparks and open flames.
- Avoid breathing vapours or mist.
- Wear protective gloves and eye protection.
- Prevent release to the environment.
- IF SWALLOWED: Immediately call a physician or poison centre. 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.

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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Component                                                   | CAS Number | Content            |
|-------------------------------------------------------------|------------|--------------------|
| Juniper Berry Essential Oil ( <i>Juniperus communis</i> L.) | 8002-68-4  | Approximately 100% |



## REPRESENTATIVE NATURAL CONSTITUENTS

- $\alpha$ -Pinene
- Sabinene
- Myrcene
- $\beta$ -Pinene
- Limonene
- Terpinen-4-ol
- Terpinolene
- $\alpha$ -Terpineol
- $\beta$ -Caryophyllene

Published monographs identify  $\alpha$ -pinene and sabinene as the principal constituents of Juniper Berry Essential Oil.

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## SECTION 4: FIRST-AID MEASURES

### Inhalation

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

### Skin Contact

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

### Eye Contact

Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

### Ingestion

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

### 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 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.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Eliminate all ignition sources.
  - Wear suitable personal protective equipment.
  - Ensure adequate ventilation.
  - Prevent entry into drains and waterways.
  - Absorb with inert absorbent material.
  - Dispose according to local regulations.
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## **SECTION 7: HANDLING AND STORAGE**

### **Handling**

- Use only in well-ventilated areas.
- Avoid contact with skin and eyes.



- Avoid breathing 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 ignition sources.
- Away from oxidising materials.
- Out of reach of children.

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## 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 essential oil.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property                 | Representative Value                               |
|--------------------------|----------------------------------------------------|
| Appearance               | Colourless to pale yellow mobile liquid            |
| Odour                    | Fresh, woody, balsamic, resinous, slightly peppery |
| Relative Density (20 °C) | 0.850–0.890                                        |
| Refractive Index (20 °C) | 1.470–1.485                                        |
| Optical Rotation         | +5° to +20°                                        |
| Flash Point              | Approximately 43–50 °C                             |
| Solubility               | Insoluble in water; soluble in ethanol             |
| Physical State           | Liquid                                             |

Representative specifications are consistent with ISO and supplier data for steam-distilled Juniper Berry Essential Oil.



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## SECTION 10: STABILITY AND REACTIVITY

- Stable under recommended storage conditions.
- Avoid excessive heat and direct sunlight.
- Avoid contact with 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

Possible health effects:

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

No evidence currently classifies the natural essential oil as carcinogenic, mutagenic or toxic for reproduction.

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## SECTION 12: ECOLOGICAL INFORMATION

- Toxic to aquatic organisms with long-lasting effects.
- Avoid uncontrolled release into the environment.
- Poor water solubility.
- Some terpene constituents may bioaccumulate.

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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.

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## SECTION 14: TRANSPORT INFORMATION

| Item                 | Representative Information                             |
|----------------------|--------------------------------------------------------|
| UN Number            | UN 1993                                                |
| Proper Shipping Name | Flammable Liquid, N.O.S. (Contains Terpenes)           |
| Transport Class      | 3                                                      |
| Packing Group        | III                                                    |
| Marine Pollutant     | Environmentally hazardous substance (where applicable) |

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

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## 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)

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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.



As a natural essential oil, composition and physical characteristics vary according to botanical origin, harvest season and distillation 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.

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**Authorised by:**

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Director