



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 of the Substance and Company

Parameter	Details
Product Name	Rose Damascena CO ₂ Extract Premium
Botanical Name	<i>Rosa damascena</i> Mill.
INCI Name	<i>Rosa Damascena Flower Extract</i>
CAS No.	8007-01-0
FEMA No.	2989
Product Type	Natural CO ₂ Extract
Plant Part	Fresh Flowers
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Origin	Bulgaria / Turkey / Morocco (Batch Dependent)
Intended Use	Professional Perfumery Raw Material

1.2 Recommended Uses

- Fine fragrance manufacture
- Cosmetic formulations
- Personal care products
- Aromatic products
- Professional perfumery applications

1.3 Uses Advised Against

- Internal consumption
- Direct undiluted skin application
- Pharmaceutical use unless specifically approved
- Food use unless food-grade certified

1.4 Supplier

Aromology Trading LLC
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1.5 Emergency Contact



Contact the nearest Poison Centre or qualified medical professional.

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification (GHS / CLP)

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

This hazard profile is consistent with published SDSs for *Rosa damascena* flower oil, which classify the material as a skin and eye irritant and hazardous to the aquatic environment.

2.2 Signal Word

Warning

2.3 Hazard Statements

- 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.

2.4 Precautionary Statements

- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not leave the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P391 Collect spillage.
- P501 Dispose of contents according to local regulations.

2.5 Other Hazards

- Contains naturally occurring fragrance allergens.
- Oxidation during storage may increase sensitisation potential.
- Spilled material may create slippery surfaces.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS



3.1 Substance

Natural supercritical CO₂ extract obtained from the flowers of *Rosa damascena*.

Constituent	CAS No.	Typical Range (%)
Rose CO ₂ Extract	8007-01-0	100
Citronellol	106-22-9	15–35
Geraniol	106-24-1	10–25
Nerol	106-25-2	5–15
Phenethyl Alcohol	60-12-8	1–8
Eugenol	97-53-0	<2
Farnesol	4602-84-0	<2
Linalool	78-70-6	<2
Methyl Eugenol	93-15-2	<0.5

Composition varies naturally depending on harvest, origin and extraction parameters.

SECTION 4: FIRST AID MEASURES

Inhalation

Move the affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact

Wash immediately with soap and plenty of water. Remove contaminated clothing.

Eye Contact

Flush cautiously with water for at least 15 minutes. Obtain medical attention if irritation continues.

Ingestion

Rinse mouth. Do **not** induce vomiting. Obtain immediate medical attention.

Most Important Symptoms

- Skin irritation
- Allergic skin reaction
- Eye irritation
- Gastrointestinal discomfort after ingestion

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media



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

Unsuitable Media

High-pressure water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Smoke
- Irritating organic vapours

Protective Equipment

Self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Wear suitable PPE.
- Prevent entry into drains and waterways.
- Absorb with inert material such as sand or vermiculite.
- Collect into suitable disposal containers.
- Wash contaminated area with detergent and water.

SECTION 7: HANDLING AND STORAGE

Handling

- Avoid contact with skin and eyes.
- Use in well-ventilated areas.
- Keep away from ignition sources.
- Avoid prolonged exposure to air.

Storage

Store:

- In tightly sealed amber containers
- At 5–20 °C
- Away from direct sunlight
- Away from oxidising agents
- In a cool, dry location



SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Adequate local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Nitrile or butyl rubber gloves.

Skin Protection

Protective laboratory clothing.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Hygiene Measures

Wash hands thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Value
Appearance	Mobile to slightly viscous liquid
Colour	Golden yellow to amber
Odour	Rich, deep, honeyed, rosy, floral, waxy
Physical State	Liquid
Flash Point	>70 °C
Density (20 °C)	0.900–0.980
Refractive Index (20 °C)	1.470–1.510
Solubility in Water	Insoluble
Solubility in Alcohol	Soluble
Auto-Ignition	Not determined
Viscosity	Moderate

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid



- Heat
- Direct sunlight
- Oxidising agents
- Prolonged air exposure

Hazardous Decomposition

- Carbon monoxide
- Carbon dioxide
- Irritating smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin
- Eyes
- Inhalation
- Accidental ingestion

Possible effects:

- Skin irritation
- Allergic dermatitis
- Eye irritation
- Respiratory discomfort after excessive vapour exposure

Contains naturally occurring fragrance allergens including:

- Citronellol
- Geraniol
- Eugenol
- Farnesol
- Linalool
- Methyl Eugenol

SECTION 12: ECOLOGICAL INFORMATION

- Toxic to aquatic organisms with long-lasting effects.
- Avoid uncontrolled environmental release.
- Expected to be partially biodegradable.
- Insoluble in water and may persist on the water surface.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product through an authorised chemical waste contractor.



Do not discharge into:

- Drains
- Watercourses
- Soil

Dispose of contaminated containers according to local regulations.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	UN 3082 (where applicable)
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Transport Class	9
Packing Group	III
Marine Pollutant	May Apply
Environmental Hazard	Yes

Final transport classification should be confirmed from the batch-specific flash point and composition.

SECTION 15: REGULATORY INFORMATION

Applicable legislation includes:

- REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008
- Cosmetics Regulation (EC) No. 1223/2009
- Commission Regulation (EU) 2023/1545
- Current IFRA Standards

Naturally occurring fragrance allergens include:

- Citronellol
- Geraniol
- Eugenol
- Farnesol
- Linalool
- Citral (trace)
- Limonene (trace)
- Methyl Eugenol

SECTION 16: OTHER INFORMATION

Recommended Shelf Life

24 months when stored under recommended conditions.



Recommended Applications

- Fine fragrance
- Extrait de Parfum
- Eau de Parfum
- Natural perfumery
- Luxury cosmetics
- Skin care
- Hair care
- Soap
- Candles
- Home fragrance

Abbreviations

- CAS – Chemical Abstracts Service
- CLP – Classification, Labelling and Packaging
- CO₂ – Carbon Dioxide
- GHS – Globally Harmonized System
- IFRA – International Fragrance Association
- INCI – International Nomenclature Cosmetic Ingredient
- PPE – Personal Protective Equipment
- REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

Disclaimer

This MSDS has been prepared using representative technical information for Rose Damascena CO₂ Extract Premium (CAS 8007-01-0) and published safety information for rose oil. Because this is a natural botanical extract, composition and physical properties may vary according to origin, harvest, extraction conditions and storage. Batch-specific analytical data should be used where available for regulatory classification, transport determination and customer documentation.

Authorised by

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