



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 Raduga Absolute
Botanical Name	<i>Rosa Raduga</i>
Common Name	Rose Raduga Absolute
INCI Name	<i>Rosa Flower Extract / Rosa Damascena Flower Extract</i>
CAS Number	8007-01-0
Plant Part	Fresh flower petals
Extraction Method	Solvent extraction of flowers followed by ethanol washing of the concrete
Country of Origin	Bulgaria
Product Type	Natural botanical absolute
Recommended Use	Professional perfumery and cosmetic fragrance ingredient

Rose Raduga is described as a Bulgarian rose variety used to produce concrete and absolute through solvent extraction.

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SECTION 2: HAZARDS IDENTIFICATION

Representative GHS Classification

Hazard Class	Classification
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Serious Eye Irritation	Category 2
Aquatic Chronic Toxicity	Category 3

Signal Word

Warning

Hazard Statements



- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long-lasting effects.

Precautionary Statements

- P261: Avoid breathing vapours or mist.
- P264: Wash thoroughly after handling.
- P273: Avoid release to the environment.
- P280: Wear protective gloves and eye protection.
- P302+P352: IF ON SKIN: Wash with plenty of 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.
- P501: Dispose of contents and container according to local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Natural aromatic absolute obtained from Rose Raduga flowers.

Component	CAS No.	Typical Status
Rose Raduga Absolute	90106-38-0	100%
Phenethyl Alcohol	60-12-8	Naturally occurring
Citronellol	106-22-9	Naturally occurring
Geraniol	106-24-1	Naturally occurring
Nerol	106-25-2	Naturally occurring
Eugenol	97-53-0	Naturally occurring
Farnesol	4602-84-0	Naturally occurring
Linalool	78-70-6	Naturally occurring
Benzyl Alcohol	100-51-6	Naturally occurring
Methyl Eugenol	93-15-2	May occur naturally
Natural Waxes	Various	Naturally occurring

The composition varies according to cultivar, harvest, growing conditions and extraction parameters.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the affected person to fresh air. Obtain medical attention if respiratory discomfort, headache or nausea persists.

Skin Contact



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

Eye Contact

Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses where easy to do. Seek medical attention if irritation persists.

Ingestion

Rinse the mouth. Do not induce vomiting. Obtain immediate medical advice.

Possible Symptoms

- Skin redness or irritation
- Allergic skin reaction
- Eye redness and watering
- Headache or nausea after excessive vapour exposure
- Gastrointestinal discomfort following ingestion

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

High-pressure water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating smoke
- Organic decomposition vapours

Firefighter Protection

Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Ventilate the affected area.



- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection.
- Remove ignition sources.
- Prevent entry into drains, soil and waterways.
- Absorb with sand, earth or another inert absorbent.
- Collect into a suitable labelled waste container.
- Clean the area with detergent and water.

Spilled material may create a slipping hazard.

SECTION 7: HANDLING AND STORAGE

Safe Handling

- Use in a well-ventilated area.
- Avoid breathing vapours.
- Avoid skin and eye contact.
- Do not eat, drink or smoke while handling.
- Use clean, dry dispensing equipment.
- Keep containers closed when not in use.
- Minimise exposure to air.

Storage

Store:

- In a tightly sealed original container
- At **5–20°C**
- Away from direct sunlight
- Away from excessive heat
- Away from strong oxidising agents
- Out of reach of children

The material may become thicker or partially solidify at low temperatures. Warm the sealed container gradually to room temperature before use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Provide adequate general or local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection



Nitrile or butyl-rubber gloves.

Skin Protection

Laboratory coat, protective apron and closed footwear.

Respiratory Protection

Use an approved organic-vapour respirator where ventilation is inadequate.

Hygiene Measures

Wash hands thoroughly after handling. Remove and wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Appearance	Viscous liquid to soft semi-solid
Colour	Orange-red to deep reddish-brown
Odour	Intense, deep, spicy floral rose with fruity and earthy facets
Physical State	Viscous liquid
Flash Point	Typically above 60 °C; batch confirmation required
Relative Density at 20 °C	Approximately 0.940–1.020
Refractive Index at 20 °C	Approximately 1.480–1.530
Water Solubility	Insoluble
Alcohol Solubility	Soluble
Oil Solubility	Soluble
Vapour Pressure	Low at room temperature
pH	Not applicable
Viscosity	High and temperature dependent

Commercial descriptions identify the absolute as orange-red or deep reddish-brown, viscous, and soluble in alcohol and oil.

SECTION 10: STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Heat
- Flames and sparks
- Direct sunlight
- Prolonged air exposure



- Moisture contamination

Incompatible Materials

- Strong oxidising agents
- Strong acids
- Strong alkalis

Hazardous Decomposition Products

Combustion may produce carbon monoxide, carbon dioxide, smoke and irritating organic vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin contact
- Eye contact
- Inhalation
- Accidental ingestion

Potential Effects

- May irritate the skin.
- May cause allergic contact dermatitis.
- May cause serious eye irritation.
- Excessive vapour exposure may cause headache or nausea.
- Ingestion may cause gastrointestinal irritation.

The material may contain naturally occurring fragrance allergens, including:

- Citronellol
- Geraniol
- Eugenol
- Farnesol
- Linalool
- Benzyl Alcohol
- Citral
- Limonene
- Isoeugenol

Batch-specific toxicological classification must be based on the producer's analytical data.

SECTION 12: ECOLOGICAL INFORMATION

- May be harmful to aquatic organisms.
- May cause long-lasting environmental effects.



- Poorly soluble in water.
- Some natural constituents may bioaccumulate.
- Expected to be partially biodegradable.
- Avoid uncontrolled release into the environment.

Complete ecological data are not available for the natural complex substance.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the product through an authorised chemical-waste contractor.

Do not discharge into:

- Drains
- Sewers
- Soil
- Surface water
- Groundwater

Empty containers may retain product residue and should be handled accordingly.

SECTION 14: TRANSPORT INFORMATION

Transport Parameter	Representative Information
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UN Number	Not regulated or UN 3082, depending on batch classification
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Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S., where applicable
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Transport Class	Class 9, where applicable
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Packing Group	III, where applicable
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Marine Pollutant	May apply
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Environmental Hazard	May apply
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Final ADR, IMDG and IATA classification must be confirmed using the batch-specific flash point and environmental classification.

SECTION 15: REGULATORY INFORMATION

The material should be assessed under applicable legislation, including:

- Regulation (EC) No. 1907/2006 concerning REACH
- Regulation (EC) No. 1272/2008 concerning classification, labelling and packaging
- Regulation (EU) 2020/878 concerning safety-data-sheet requirements
- Regulation (EC) No. 1223/2009 on cosmetic products
- Commission Regulation (EU) 2023/1545 concerning fragrance allergens
- Applicable IFRA Standards
- Applicable UAE chemical and occupational-safety requirements



Naturally occurring fragrance allergens must be calculated in the finished cosmetic product using batch-specific data.

SECTION 16: OTHER INFORMATION

Recommended Shelf Life

24 months from the manufacturing date when stored unopened under recommended conditions.

DISCLAIMER

This summary MSDS is a representative professional template prepared for Rose Raduga Absolute. It is not evidence that a specific batch has been physically or chemically tested by Aromology Trading LLC.

Before formal issue, the information must be verified against:

- The original producer's SDS
- Batch-specific Certificate of Analysis
- GC-MS analysis
- Flash-point test
- Residual-solvent analysis
- Quantitative allergen data
- Current transport regulations

Natural botanical absolutes may vary due to cultivar, origin, climate, harvest, extraction conditions, wax content and storage history.

The recipient and finished-product manufacturer remain responsible for safe handling, workplace risk assessment, correct transport classification, IFRA compliance, allergen calculation and finished-product regulatory compliance.

Authorised by

Fozia Khot

Director

Aromology Trading LLC