



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS), Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP).

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name: Rhubarb Absolute Extract
Alternative Name: Rhubarb Extract
Botanical Name: Rheum officinale
INCI Name: Rheum Officinale Root Extract
Primary CAS Number: 8016-55-5
Additional CAS Numbers: 84650-56-6; 90106-27-7
EC Number: 290-249-3, where applicable
Product Type: Natural botanical absolute extract
Plant Part Used: Root
Extraction Method: Solvent extraction using food-grade ethanol
Country of Origin: Indonesia
Physical Form: Concentrated liquid extract

Recommended Uses:

- Fine fragrance and professional perfumery
 - Cosmetic formulations
 - Personal-care products
 - Soap and candle fragrance
 - Home-fragrance applications
 - Aromatic product development
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Supplier:

Aromology

G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2: HAZARD IDENTIFICATION

GHS/CLP Classification:

- Skin Sensitisation – Category 1



- Eye Irritation – Category 2
- Hazardous to the Aquatic Environment, Chronic – Category 3

Signal Word: Warning

Hazard Statements:

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 hands and exposed skin thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

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. Remove contact lenses where present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists, get medical advice.

P501: Dispose of contents and container in accordance with applicable regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Rhubarb Absolute Extract

Botanical Source: Rheum officinale root

Composition: 100% natural botanical extract

Primary CAS Number: 8016-55-5

Additional CAS Numbers: 84650-56-6; 90106-27-7

Extraction Solvent: Food-grade ethanol used during processing

Typical naturally occurring constituents may include:

- Anthraquinone derivatives
- Rhaponticin derivatives
- Phenolic compounds
- Aromatic ketones
- Fatty acids and fatty-acid esters
- Volatile esters
- Naturally occurring fragrance constituents

The composition may vary according to botanical source, harvest, geographical origin and extraction conditions.



SECTION 4: FIRST-AID MEASURES

Inhalation:

Move the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Seek medical attention if symptoms persist.

Skin Contact:

Remove contaminated clothing. Wash the affected area thoroughly with soap and water. Seek medical advice if irritation or sensitisation develops.

Eye Contact:

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

Ingestion:

Rinse mouth thoroughly. Do not induce vomiting. Obtain medical advice immediately.

Most Important Symptoms:

- Eye irritation
 - Skin irritation
 - Redness or discomfort
 - Allergic skin reaction in susceptible individuals
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SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media:

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

Unsuitable Extinguishing Media:

Do not use a high-pressure water jet.

Hazardous Combustion Products:

- Carbon monoxide
- Carbon dioxide
- Dense smoke
- Irritating organic fumes

Protective Equipment for Firefighters:

Wear self-contained breathing apparatus and appropriate protective clothing.



SECTION 6: ACCIDENTAL RELEASE MEASURES

- Wear suitable gloves, protective clothing and eye protection.
 - Ensure adequate ventilation.
 - Avoid breathing vapour or mist.
 - Prevent entry into drains, soil and waterways.
 - Absorb with sand, vermiculite or another inert absorbent material.
 - Transfer collected material into a suitable labelled waste container.
 - Clean the contaminated surface thoroughly.
 - Dispose of waste according to applicable regulations.
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SECTION 7: HANDLING AND STORAGE

Handling:

- Avoid contact with eyes and skin.
- Avoid inhalation of vapours or mist.
- Use in adequately ventilated areas.
- Wear suitable personal protective equipment.
- Do not eat, drink or smoke while handling.
- Observe good industrial hygiene practices.

Storage:

- Store in tightly closed original containers.
- Keep in a cool, dry and well-ventilated location.
- Protect from heat, moisture and direct sunlight.
- Keep away from open flames and strong oxidising agents.
- Minimise exposure to air.

Recommended Storage Temperature: 15–25 °C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No product-specific occupational exposure limit has been established.

Engineering Controls:

Provide adequate general or local exhaust ventilation.

Eye Protection:

Chemical safety goggles or suitable protective eyewear.

**Hand Protection:**

Chemical-resistant gloves; nitrile gloves are recommended.

Respiratory Protection:

Normally not required under adequately ventilated conditions. Use an appropriate organic-vapour respirator where ventilation is insufficient.

Skin Protection:

Protective work clothing is recommended.

Hygiene Measures:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous liquid or concentrated extract

Appearance: Dark-brown liquid

General Colour Range: Brown to dark brown/reddish brown

Odour: Characteristic, fruity, tart, green, herbal, wine-like and boozy

Odour Compliance: Complies

Refractive Index at 20 °C: 1.4970

Refractive Index Specification: 1.4800–1.5000

Brix at 20 °C: 82.38

Brix Specification: 80–90

Flash Point: Greater than 75 °C, typical product information

Water Solubility: Insoluble or only slightly dispersible

Ethanol Solubility: Soluble

Boiling Point: Not determined

Vapour Pressure: Not determined

pH: Not determined

SECTION 10: STABILITY AND REACTIVITY**Reactivity:**

No dangerous reaction is expected under recommended conditions.

Chemical Stability:

Stable under normal handling and storage conditions.

Conditions to Avoid:

- Excessive heat
- Open flames and ignition sources
- Direct sunlight
- Prolonged exposure to air
- Moisture
- Incompatible materials

**Incompatible Materials:**

Strong oxidising agents.

Hazardous Decomposition Products:

- Carbon monoxide
- Carbon dioxide
- Organic smoke and irritating fumes

SECTION 11: TOXICOLOGICAL INFORMATION**Likely Routes of Exposure:**

- Skin contact
- Eye contact
- Inhalation
- Accidental ingestion

Acute Toxicity:

Product-specific acute toxicity data are not available.

Skin Corrosion/Irritation:

May cause irritation following prolonged or repeated contact.

Serious Eye Damage/Irritation:

Causes serious eye irritation.

Respiratory or Skin Sensitisation:

May cause an allergic skin reaction in susceptible individuals.

Carcinogenicity:

No product-specific data available.

Mutagenicity:

No product-specific data available.

Reproductive Toxicity:

No product-specific data available.

Aspiration Hazard:

Not determined.

SECTION 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:**

Harmful to aquatic organisms in concentrated form, with possible long-lasting effects.

Persistence and Degradability:

The botanical components are expected to be biodegradable, but product-specific test data are unavailable.

Bioaccumulative Potential:

No product-specific information available.

Mobility in Soil:

No product-specific information available.

Environmental Precautions:

Avoid uncontrolled release into drains, soil, surface water or groundwater.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused product and contaminated absorbent material through an authorised waste contractor. Do not discharge into drains, soil or waterways. Empty containers may retain product residue and should be disposed of according to local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not regulated

UN Proper Shipping Name: Not regulated

Transport Hazard Class: Not applicable

Packing Group: Not applicable

Marine Pollutant: No

ADR/RID: Not regulated

IMDG: Not regulated

IATA/ICAO: Not regulated

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- Regulation (EC) No. 1907/2006 – REACH
- Regulation (EC) No. 1272/2008 – CLP
- Globally Harmonized System – GHS
- Regulation (EC) No. 1223/2009 on cosmetic products
- Applicable IFRA Standards

This botanical extract may contain naturally occurring fragrance allergens requiring declaration in finished cosmetic products above applicable labelling thresholds.



SECTION 16: OTHER INFORMATION

Product Name: Rhubarb Absolute Extract

Botanical Name: Rheum officinale

Primary CAS Number: 8016-55-5

Source COA Lot/Type: T-2302019-5

Sample Request: SR-2302019

IPC Reference: R0-0201

The source COA batch is past its stated best-before date. A new batch-specific COA must be obtained before this document is used to release or certify current stock.

This SDS is intended to assist with safe professional handling. It is not a product specification or guarantee of particular properties.

Authorised by:

Fozia Khot

Director

Aromology Trading LLC