



SAFETY DATA SHEET (MSDS)

Carnation Absolute – *Dianthus caryophyllus*

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name:

Carnation Absolute

Botanical Name:

Dianthus caryophyllus

INCI Name:

Dianthus Caryophyllus (Carnation) Flower Extract

Recommended Use:

Aromatic ingredient for perfumery and fragrance applications.
Professional use only. Do not ingest.

Company:

Aromology

G15 Union Coop Mall
Nadd Al Hamar, Dubai, UAE

Telephone: +971 505 197 601

Website: www.aromology.com

Emergency Telephone Number:

+971 505 197 601

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

- Acute Toxicity (Oral) – Category 4
- Skin Corrosion / Irritation – Category 2
- Skin Sensitisation – Category 1

Signal Word:

Warning

Hazard Statements:

- **H302** – Harmful if swallowed
- **H315** – Causes skin irritation



- **H317** – May cause an allergic skin reaction

Precautionary Statements:

- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink, or smoke when using this product
- P280 Wear protective gloves/protective clothing/eye protection
- P301+P312 IF SWALLOWED: Call a poison center or doctor if unwell
- P330 Rinse mouth
- P302+P352 IF ON SKIN: Wash with plenty of water and soap
- P362+P364 Remove contaminated clothing and wash before reuse
- P333+P313 If skin irritation or rash occurs: Get medical advice
- P261 Avoid breathing vapours or mist
- P272 Contaminated work clothing should not leave the workplace
- P501 Dispose of contents/container in accordance with regulations

Other Hazards:

May cause skin irritation or allergic reaction. Patch test recommended.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation:

Natural aromatic absolute.

Component	CAS No.	Approx. %
------------------	----------------	------------------

Carnation Extract	8021-43-0 / 89958-29-2	100%
-------------------	------------------------	------

Naturally Occurring EU Allergens:

- Benzyl alcohol $\leq 0.5\%$
- Benzyl benzoate 2–21%
- Benzyl salicylate $\leq 1.15\%$
- Eugenol 2–20%
- Farnesol $\leq 0.5\%$
- Limonene $\leq 0.1\%$



- Linalool 0.2–3.5%
-

SECTION 4: FIRST-AID MEASURES

Eye Contact:

Remove contact lenses if present. Flush with water for at least 15 minutes. Seek medical attention if symptoms persist.

Skin Contact:

Wash thoroughly with soap and water. If irritation continues, consult a physician.

Inhalation:

Move to fresh air. Seek medical advice if symptoms occur.

Ingestion:

Not an expected route of exposure. If swallowed in small quantities, rinse mouth with milk or water. Do not induce vomiting unless directed by medical personnel. Seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:

72 °C

Suitable Extinguishing Media:

Water mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide (CO₂).

Unsuitable Media:

Direct water jet.

Protective Equipment:

Self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin and eyes. Wear appropriate protective equipment.

Environmental Precautions:

Prevent entry into drains, waterways, or soil.

Cleanup Methods:

Absorb with non-combustible material (sand, earth, vermiculite, diatomaceous earth). Transfer to suitable containers for disposal.



SECTION 7: HANDLING AND STORAGE

Handling:

Use good industrial hygiene practices. Avoid inhalation and contact with eyes or skin. Ensure adequate ventilation.

Storage:

Store in tightly closed glass containers away from heat, light, and ignition sources. Store in a cool area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

No occupational exposure limits established.

Personal Protective Equipment:

- **Eyes:** Safety goggles (EN166)
 - **Hands:** Nitrile or PVA gloves (EN374)
 - **Skin:** Protective clothing
 - **Respiratory:** Not normally required; avoid inhalation of vapours
-

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Physical State:** Viscous liquid
 - **Colour:** Yellowish brown to green
 - **Odour:** Warm, floral, heavy, fruity, softly spicy
 - **Water Solubility:** Insoluble
 - **Alcohol Solubility:** Soluble
 - **Flash Point:** 72 °C
 - **Refractive Index (20 °C):** 1.465 – 1.525
 - **Specific Gravity (20 °C):** 0.890 – 0.945
-

SECTION 10: STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

**Reactivity:**

Not reactive under normal conditions.

Incompatible Materials:

Strong oxidising agents, peroxides, strong inorganic acids, alkali metals, ammonia.

Hazardous Decomposition:

Carbon monoxide (CO) and carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Toxicity:**

No specific data available.

Skin:

May cause irritation and allergic dermatitis with repeated exposure.

Eyes:

May cause irritation if not promptly rinsed.

Inhalation:

High vapour concentrations may cause anesthetic effects.

Carcinogenicity:

Not classified by IARC, NTP, OSHA, or ACGIH.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity:**

No specific data available.

Persistence & Degradability:

Biodegradation expected.

Bioaccumulation:

Unlikely.

Environmental Precautions:

Avoid release into waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers according to local and national regulations.

Do not pour into drains or waterways. Use certified waste handlers where required.



SECTION 14: TRANSPORT INFORMATION

Not regulated for transport.

- **UN Number:** Not applicable
 - **Transport Class:** Not applicable
 - **Packing Group:** Not applicable
 - **Marine Pollutant:** No
-

SECTION 15: REGULATORY INFORMATION

- EU: See allergens listed in Section 3
 - USA: Not regulated at federal or state level
 - California Prop 65: No listed substances
 - Canada, Singapore, Hong Kong: Not regulated
-

SECTION 16: OTHER INFORMATION

This MSDS is intended to provide guidance for safe handling, storage, and disposal based on current knowledge and standard industry practice.