Safety Data Sheet

Rose Damascena Absolute

BIOFORM
NATURE'S FINEST MATERIALS

PRODUCT **Rose Damascena Absolute** · BOTANICAL NAME **Rosa damascena Mill.** · DATE **29.09.2026**

PRODUCER

Bioform Ltd

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DOCUMENT CONTROL

Safety Data Sheet

Version: 1.1
Issued: 29.09.2026
Applies to: Rose Damascena Absolute
Scope: Regulation (EC) No 1907/2006, Annex II, as amended by (EU) 2020/878
Status: Approved

Indicative values. The values in this document are typical of the product, not the results of a particular batch. For batch-specific documentation and values (certificate of analysis, GC-MS report), contact us at **sales@bioform.bg** or +359 889 45 05 50.

1 · IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product name	Rose Damascena Absolute
Botanical source	Rosa damascena Mill.
Plant part	Fresh flower petals
CAS number	90106-38-0
EC number	290-260-3
REACH registration no.	01-2120759338-43-0000
1.2 Relevant uses	Raw material for fragrance, flavour, cosmetic and aromatherapy formulation. Industrial and professional use. Uses advised against: none identified other than those not listed.
1.3 Supplier	Bioform Ltd Str. Oreshaka 5, Village Tazha, 6160 Pavel Banya, Stara Zagora, Bulgaria +359 889 45 05 50 · sales@bioform.bg
1.4 Emergency telephone	+359 2 9154 233 National Toxicology Center Bulgaria, Hospital for Active Medical Treatment and Emergency Medicine "N. I. Pirogov" · poison_centre@mail.orbitel.bg · www.pirogov.bg · 24/7

2 · HAZARDS IDENTIFICATION

2.1 Classification (CLP)	Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Chronic 3 H412 [1]
2.2 Pictograms	 GHS05 · Corrosion  GHS07 · Exclamation mark
Signal word	Danger
Hazard statements	**H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H318** Causes serious eye damage. **H412** Harmful to aquatic life with long lasting effects.

Precautionary statements	**P101** If medical advice is needed, have product container or label at hand. **P102** Keep out of reach of children. **P103** Read carefully and follow all instructions. **P273** Avoid release to the environment. **P280** Wear protective gloves/protective clothing/eye protection/face protection. **P310** Immediately call a POISON CENTER/doctor. **P302+P352** IF ON SKIN: Wash with plenty of water. **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P501** Dispose of contents/container in accordance with local and national regulations.
2.3 Other hazards	Not considered PBT or vPvB. Contains natural constituents that may cause allergic reactions in sensitised people.

3 · COMPOSITION / INFORMATION ON INGREDIENTS

Substance type	Natural complex substance (UVCB) obtained from the plant material named in section 1.
Identity	Rose Damascena Absolute — Rosa damascena Mill., CAS 90106-38-0

Typical content for this compound [2].

CONSTITUENT	CAS	EC	CONTENT %	CLASSIFICATION (CLP)
2-Phenylethanol	60-12-8	200-456-2	63.4	Acute Tox. 4 (Oral) H302; Asp. Tox. 1 H304; Eye Irrit. 2 H319
Citronellol	106-22-9	203-375-0	13.0	Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1B H317
Geraniol	106-24-1	203-377-1	6.8	Skin Sens. 1 H317
Nerol	106-25-2	203-378-7	3.0	Skin Irrit. 2 H315; Eye Dam. 1 H318; Skin Sens. 1B H317
Eugenol	97-53-0	202-589-1	1.4	Eye Irrit. 2 H319; Skin Sens. 1B H317
Benzyl alcohol	100-51-6	202-859-9	1.1	Acute Tox. 4 (Oral) H302; Eye Irrit. 2 H319; Skin Sens. 1B H317
Methyl eugenol	93-15-2	202-223-0	0.6	Carc. 2 H351; Muta. 2 H341; Acute Tox. 4 (Oral) H302

4 · FIRST-AID MEASURES

Inhalation	Move to fresh air. If breathing is difficult or symptoms persist, get medical advice.
Skin contact	Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation or rash occurs, get medical advice.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice immediately and show this sheet or the label.
Symptoms and effects	Skin and eye irritation; allergic skin reaction in sensitised people. Aspiration into the lungs after swallowing can cause chemical pneumonitis.
Medical attention	Treat symptomatically.

5 · FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, dry chemical powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	Direct water jet.
Special hazards	Combustion produces carbon monoxide, carbon dioxide and smoke. Vapours may form flammable mixtures with air above the flash point.
Advice for firefighters	Wear self-contained breathing apparatus and full protective clothing. Cool closed containers exposed to fire with water spray.

6 · ACCIDENTAL RELEASE MEASURES

Personal precautions	Remove ignition sources. Ensure adequate ventilation. Avoid contact with skin and eyes; wear the protective equipment in section 8.
Environmental precautions	Prevent entry into drains, surface water and soil.

Clean-up	Absorb with inert material (sand, earth, vermiculite). Collect in closed, labelled containers for disposal according to section 13.

7 · HANDLING AND STORAGE

Safe handling	Handle in a well-ventilated area. Avoid contact with skin and eyes. Keep away from heat, sparks and open flames. Do not eat, drink or smoke when using this product. Wash hands after handling.
Storage	Store in tightly closed, full containers of aluminium, stainless steel or amber glass, in a cool, dry, dark place away from heat and ignition sources. Nitrogen blanketing of part-filled containers is recommended.
Specific end uses	See section 1.2.

8 · EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	No occupational exposure limits established for this product.
Engineering controls	Local exhaust or general ventilation.
Eye protection	Safety glasses with side shields (EN 166).
Hand protection	Nitrile rubber gloves (EN ISO 374).
Respiratory protection	Not normally required with adequate ventilation. In case of insufficient ventilation, use a respirator with an organic vapour filter (type A).
Skin and body protection	Protective work clothing.

9 · PHYSICAL AND CHEMICAL PROPERTIES

Typical values for this compound [1].

Physical state / appearance	Orange-red viscous liquid; may contain crystals at room temperature
Odour	Rich, full-bodied rose, deeply floral, honeyed, waxy — truer to the living flower than the essential oil
Flash point	102 °C (closed cup)
Relative density (20 °C)	0.9804 (20 °C)
Refractive index (20 °C)	No data available
Optical rotation (20 °C)	No data available
Boiling point / range	No data available
Solubility	Practically insoluble in water; soluble in ethanol
pH	No data available

10 · STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known under normal conditions of use.
Chemical stability	Stable under the recommended storage conditions.
Conditions to avoid	Heat, direct sunlight, sparks, open flames, prolonged contact with air.
Incompatible materials	Strong oxidising agents, strong acids and bases.
Hazardous decomposition products	Carbon monoxide and carbon dioxide on combustion.

11 · TOXICOLOGICAL INFORMATION

No toxicological test data on the product itself are given here. The classification in section 2 is the classification of this substance as documented in the cited sources (for REACH-registered substances, the registrant's classification in the registration dossier).

12 · ECOLOGICAL INFORMATION

No ecotoxicological test data on the product itself are given here. The environmental classification, where shown in section 2, is taken from the cited sources. Do not allow undiluted product to reach ground water, water courses or sewage systems.

13 · DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging through a licensed waste contractor in accordance with local and national regulations. Do not empty into drains.

14 · TRANSPORT INFORMATION

Not classified as dangerous goods for transport (ADR/RID, IMDG, IATA).

15 · REGULATORY INFORMATION

Regulation (EC) No 1907/2006 (REACH); Regulation (EC) No 1272/2008 (CLP); Regulation (EC) No 1223/2009 (cosmetic products) where relevant. Users formulating fragrance products should also consult the current IFRA Standards.

16 · OTHER INFORMATION

This safety data sheet was prepared from the composition of the product as supplied. The information is given in good faith and is correct to the best of our knowledge at the date of issue. It does not constitute a guarantee of specific properties.

Composition values are those reported for one analysed sample in the cited study [2].

Supersedes revision 1.0.

SOURCES

1. ECHA, REACH registration dossier 01-2120759338-43-0000 (Rose absolute), lead registrant, last updated 2018-03-07: classification and labelling (section 2), physical and chemical properties (section 4) — https://chem.echa.europa.eu/html-pages-prod/b6094692-2eba-4cc1-b979-f6df9c26c7a1/index.html (accessed 2026-09-28)
2. Çevikbaş H., Ulusoy S., Kaya Kinaytürk N. (2024). Exploring rose absolute and phenylethyl alcohol as novel quorum sensing inhibitors in Pseudomonas aeruginosa and Chromobacterium violaceum. Scientific Reports 14:15666 (Rosa damascena absolute, GC-MS) — https://doi.org/10.1038/s41598-024-66888-z (accessed 2026-09-28)

Биоформ

Signature and stamp

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FOR AND ON BEHALF OF BIOFORM LTD

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