



TECHNICAL DATA SHEET

GERANYL ACETATE

Synthetic floral-fruity ester with a bright rose-geranium character

1. RAW MATERIAL IDENTIFICATION

Product name	Geranyl Acetate
INCI name	GERANYL ACETATE
CAS number	105-87-3
Chemical group	Acetate ester of geraniol
Raw material type	Synthetic ester-type aroma chemical
Origin	Synthetic
Raw material category	Synthetic aroma chemical
Olfactory family	Floral / Fresh / Slightly fruity
Position in a fragrance	Top to middle note



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2. OLFATORY CLASSIFICATION AND ODOUR PROFILE

Odour profile: A fresh and bright floral-fruity profile with pronounced rose and lavender nuances, a mild fruity component and a more airy character than geraniol.

Olfactory character: Bright, transparent and floral-fruity, with a rose-geranium character, a discreet lavender nuance and gentle fruity freshness.

Main applications: Fresh floral compositions, fougère fragrances, rose and geranium accords, aromatic structures and fresh masculine and feminine perfumes.

3. RAW MATERIAL DESCRIPTION

Geranyl Acetate is a synthetic floral-fruity aroma chemical and the acetate ester of geraniol. Esterification gives it a lighter, more volatile and fruitier profile than geraniol while retaining its recognisable rose-floral character.

The odour opens with a bright and fresh floral note in which rose and a mild lavender nuance can be recognised. A discreet fruity component adds lightness and contributes to its airy character, making Geranyl Acetate suitable for compositions in which neat geraniol could appear too full or heavy.

Within the fragrance structure it develops between the top and middle notes. Its relatively higher volatility supports a rapid opening, while the floral character remains in the heart and links citrus and aromatic top notes with rose, geranium and other floral elements.

Geranyl Acetate is particularly suitable for fresh floral compositions, fougère structures and contemporary masculine and feminine fragrances. In rose accords it adds a brighter and more natural floral dimension, while with geranium it reinforces fresh and aromatic facets.

Its natural occurrence in many floral essential oils contributes to its importance in reconstructions of natural floral profiles. In a balanced accord it provides lightness, freshness and a smoother transition between floral, fruity and aromatic notes.

Functional role in perfumery: Geranyl Acetate acts as a bright floral-fruity building block and linking material between citrus, aromatic, rose, geranium and fresh floral notes.

4. APPLICATION AND OLFATORY COMPATIBILITY

Geranyl Acetate is suitable for creating and modifying:

- rose and rose-geranium accords;
- fresh floral and floral-fruity compositions;
- lavender and aromatic-floral structures;
- classic and contemporary fougère fragrances;
- fresh masculine and feminine perfumes;
- citrus-floral and clean fragrance compositions.

It combines particularly well with geraniol, citronellol, nerol and phenylethyl alcohol in rose accords. Lavender, linalool and linalyl acetate support fresh aromatic-floral structures, while citrus materials and clean musks reinforce its brightness and transparency.

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5. RECOMMENDED USE

Recommended use in perfumes: As a floral-fruity component in rose, geranium, lavender, fougère and fresh floral compositions.

Typical concentration: A precise recommended range is not stated in the supplied description or TDS.

Dosing note: Adjust the dosage according to the desired brightness, floral-fruity intensity and the balance between top and heart notes. Evaluate the effect after complete fragrance development.

IFRA note: Before formulating the finished product, consult the current IFRA certificate and apply any restrictions relevant to the corresponding product category.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless
Odour	Floral, fruity, fresh
Olfactory character	Bright and airy rose-geranium profile with lavender and mild fruity nuances
Density	Not stated in the supplied TDS
Refractive index	Not stated in the supplied TDS
Flash point	Not stated in the supplied TDS
Solubility	Not stated in the supplied TDS
Stability	Not stated in the supplied TDS

Batch-specific physicochemical acceptance criteria, analytical methods and values must be confirmed against the current supplier specification and certificate of analysis.

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7. STABILITY AND FORMULATION COMPATIBILITY

Specific stability data are not stated in the supplied TDS. Compatibility, colour, odour and stability should therefore be tested in the intended finished formulation and packaging before commercial use.

Geranyl Acetate combines well with geraniol, citronellol, nerol, rose and geranium materials, lavender, linalool, linalyl acetate, citrus notes and fresh musks.

8. REGULATORY DATA AND STATUS

Intended use: Professional raw material for perfumes, cosmetic fragrance compositions and flavours.

Vegan status: Vegan; contains no ingredients of animal origin.

GMO status: Not stated in the supplied TDS; confirm against the current supplier declaration.

Halal / Kosher status: Not stated in the supplied TDS; confirm against the current supplier declaration.

Nanomaterials: No nanomaterials are stated in the supplied information; confirm against the current supplier declaration where required.

IFRA status: Verify the current IFRA certificate for the relevant finished-product category.

9. STORAGE AND SHELF LIFE

Specific storage conditions and temperature limits are not stated in the supplied TDS. Until confirmed by the supplier, keep the material in its original, tightly closed container, at a temperature not exceeding 25 °C, protected from light, heat and prolonged exposure to air.

Shelf life: 24 months under the recommended storage conditions.

10. SAFETY INFORMATION

Geranyl Acetate is a concentrated raw material intended for professional use. It must not be applied directly to the skin in undiluted form. Avoid contact with skin and eyes and avoid inhalation of vapour or aerosol. Use suitable protective equipment and ensure adequate ventilation.

The current supplier SDS is authoritative for hazard classification, first-aid measures, handling, transport and disposal requirements.

11. DISCLAIMER

The information in this document applies only to the described raw material and does not replace the current supplier specification, certificate of analysis, IFRA documentation or SDS. The user is responsible for confirming identity, quality, suitability, stability, safety and regulatory compliance in the intended application and target market. This document does not constitute regulatory approval or a guarantee of finished-product performance.