

TECHNICAL DATA SHEET

HEXYL ACETATE

Synthetic ester aroma chemical with a fresh fruity-green character

1. RAW MATERIAL IDENTIFICATION

Product name	Hexyl Acetate
INCI name	HEXYL ACETATE
CAS number	142-92-7
Raw material type	Synthetic ester aroma chemical with a fruity-green character
Raw material origin	Synthetic
Geographical origin	Spain and England
Raw material category	Synthetic aroma chemical

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Hexyl Acetate belongs primarily to the Fruity - Non Citrus olfactory family, with additional Green and Fresh - Clean facets. It functions as a top-to-middle note and gives the fragrance a direct, natural and lightly diffusive fruity freshness.

Its odour is fresh, fruity and mildly green, with characteristic green-apple and pear nuances, a subtle herbal tone and a light citrus lift. It is particularly suitable for fruity compositions, green-floral accords, light spring and aquatic fragrances and other structures requiring immediate fruity freshness.



TECHNICAL DATA SHEET

3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITION

Hexyl Acetate is a synthetic aroma chemical from the group of fruity-green esters, known for its clean, fresh and readily recognisable fruity profile. Its odour features green apple and pear, with a mild green nuance and a subtle citrus lightness that contributes freshness to the composition.

It occurs naturally in various fruits and flowers, including pears, apples and certain roses, which allows its odour to support a more natural impression in fruity and fruity-floral accords. In a formulation, it creates an immediate effect of freshly cut or newly picked fruit.

Hexyl Acetate is particularly useful in apple and pear accords and in green-floral and light spring compositions. Its moderate volatility allows it to connect the top note with the middle phase of the fragrance rather than remaining only in the earliest stage.

In smaller amounts, it acts as a fresh fruity modifier; at more pronounced levels, it can become an important part of an apple, pear or other light-fruit accord. Its versatility makes it a classic material for modern fruity fragrance structures.

Functional role in perfumery: Hexyl Acetate acts as a fruity-green top-to-middle-note building block and modifier. It adds crisp apple-pear freshness, naturalness and a light green lift to fruity, floral, citrus and aquatic compositions.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended use in fragrances: Hexyl Acetate is used to build and enhance green-apple and pear accords and in fruity, green-floral, citrus and aquatic compositions.

It is used to create and modify:

- green-apple and pear accords;
- fresh and light-fruit accords;
- fruity and fruity-floral compositions;
- green-floral accords;
- citrus-fruity fragrances;
- aquatic and fresh compositions;
- light spring fragrances;
- modern transparent fragrance structures.

It combines well with other fruity esters, cis-3-hexenyl acetate, cis-3-hexenol, bergamot, lemon and other citrus materials, rose and fresh floral notes, aquatic materials and clean musks.

TECHNICAL DATA SHEET

5. RECOMMENDED USE

Recommended use in fragrances	Green-apple and pear accords; fruity, green-floral, citrus and aquatic compositions
Typical concentrations	Not stated in the supplied TDS
IFRA status	Not stated in the supplied TDS; verify the current IFRA certificate for the relevant product category

The concentration depends on the desired olfactory effect, product type and finished-product safety assessment. Gradual dosing and evaluation in the intended formulation are recommended.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Colourless
Odour	Fruity, green
Olfactory character	Fresh and naturally fruity, with green apple, pear, a mild herbal nuance and subtle citrus lightness
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
Shelf life	24 months



TECHNICAL DATA SHEET

7. STABILITY AND COMPATIBILITY

Stability conditions are not stated in the supplied TDS. Hexyl Acetate combines well with other fruity esters, green materials, citrus notes, rose and other floral components and aquatic and fresh accords. Stability, compatibility, colour and odour profile must be confirmed in the finished formulation and intended packaging.

8. REGULATORY DATA AND STATUS

Vegan status: Vegan; no raw materials of animal origin are used in the manufacturing process.

GMO status: Not stated in the supplied technical data.

Halal and Kosher status: Halal and Kosher compatible.

Nanomaterials: Not stated in the supplied TDS.

9. STORAGE AND SHELF LIFE

Specific storage conditions and storage temperature are not stated in the supplied TDS. Keep the material in the original, tightly closed container and follow the manufacturer's current storage instructions.

Shelf life: 24 months when stored under the recommended conditions.

10. SAFETY INFORMATION

Hexyl Acetate is intended for professional use in perfumes, cosmetic fragrance compositions and flavour compositions. Avoid direct contact with the undiluted material.

Use appropriate protective equipment, avoid contact with skin and eyes and ensure adequate ventilation during handling. Consult the current SDS before use.

The final concentration must comply with the current IFRA certificate, the safety assessment of the finished product and the regulations of the target market.

11. DISCLAIMER

The information applies solely to the described raw material and does not replace the specification, COA, IFRA documentation or SDS issued by the specific manufacturer. The user is responsible for verifying 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 properties.