

TECHNICAL DATA SHEET

LILIAL BASE

Synthetic floral-aldehydic perfume base - lily of the valley, white flowers, soft powderiness and regulatory restrictions

1. PRODUCT IDENTIFICATION

Product name	Lilial Base
Raw material type	Perfume base / floral-aldehydic base
Olfactory family	Floral / Aldehydic
Position in perfume	Middle note
Raw material origin	Synthetic
Ingredient category	Base
Inspiration	Classic Lilial-style floral accord emphasising lily of the valley, white flowers and soft powderiness
Application	Perfumes and fragrance formulations, subject to prior regulatory review

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Lilial Base is a synthetic perfume base from the floral-aldehydic olfactory family, developed around the odour profile of Lilial, also known as Butylphenyl Methylpropional or BMHCA.

Its odour profile combines white flowers, lily of the valley, a subtle lily-like nuance and soft powderiness. It gives compositions the clean, airy and classically floral character associated with lily-of-the-valley accords and fresh white-floral structures.

3. FUNCTION IN FRAGRANCE COMPOSITIONS

Lilial Base functions as a middle note, contributing floral freshness, transparency and soft powdery roundness. It is olfactorily associated with traditional lily-of-the-valley interpretations, aldehydic-floral accords and clean white-floral compositions.

4. APPLICATION AND COMPATIBILITY

From an olfactory perspective, the base may be used to develop lily-of-the-valley accords, white-floral compositions, aldehydic-floral perfumes, powdery floral accords, clean soapy structures and compositions featuring lily, jasmine or green floral notes.

It combines well with lily of the valley, jasmine, rose, lily, freesia, white musks, aldehydic notes, green accords, powdery materials, iris and light woody notes.

Because of the regulatory status of Lilial/BMHCA, no application should be considered without prior verification of the base's composition, current legislation in the target market, the applicable IFRA documentation and the intended product category.

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5. RECOMMENDED USE AND RESTRICTIONS

No dosage should be established before regulatory review where the base contains Lilial / Butylphenyl Methylpropional / BMHCA. The following applications are conditional and do not constitute authorised use levels.

Floral compositions	Only where permitted by the target-market legislation
Lily-of-the-valley accords	Only where permitted by the target-market legislation
White-floral compositions	Only where permitted by the target-market legislation
Aldehydic-floral formulations	Only where permitted by the target-market legislation
Cosmetic fragrance formulations	Not permitted on the EU market if the base contains BMHCA

The current IFRA certificate, Safety Data Sheet and full compositional or regulatory declaration must be reviewed for the intended product category and target market.

For cosmetics and fine fragrances intended for the EU market, a BMHCA-free modern substitute should be used. Preliminary testing of compatibility, stability, colour and odour profile remains necessary for any legally permitted application.

6. PHYSICAL AND TECHNICAL DATA

Appearance	Liquid
Colour	Very pale yellow
Odour	Floral, aldehydic
Olfactory character	White-floral, lily-of-the-valley-like, subtly lily-like, softly powdery, clean, airy and floral-aldehydic
Density at 20 °C	1.005-1.045
Flash point	>105 °C
Solubility	Not specified in the supplied technical data

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7. STABILITY AND COMPATIBILITY

Lilial Base is stable when stored correctly in its original, well-filled and hermetically sealed container, protected from air and light.

It is olfactorily compatible with floral, aldehydic, white-floral, musky, green, powdery and clean soapy accords. Technical compatibility does not establish regulatory suitability; both must be confirmed before use.

8. REGULATORY DATA AND STATUS

Intended use: Professional use in perfume and fragrance formulations, exclusively following prior regulatory review.

Vegan status: Vegan; does not contain ingredients of animal origin.

GMO status: Not specified in the supplied technical data.

IFRA status: Review the current IFRA certificate and applicable restrictions before use.

EU regulatory note: Butylphenyl Methylpropional / BMHCA is classified as toxic to reproduction, category 1B, and is prohibited as an ingredient in cosmetic products placed on the EU market. The exact composition of Lilial Base must therefore be confirmed before any cosmetic application.

9. STORAGE AND SHELF LIFE

Store at room temperature in the original, well-filled and hermetically sealed container, protected from air and light. Close immediately after use.

Recommended storage temperature: Room temperature.

Shelf life: 24 months under proper storage conditions.

10. SAFETY INFORMATION

For professional use only. Avoid direct contact with the undiluted product. Refer to the current Safety Data Sheet (SDS) for classification, safe handling, first-aid measures and disposal information.

11. DISCLAIMER

The information in this Technical Data Sheet applies to the raw material described and is based on the technical data provided. The user is responsible for confirming composition, legal status, suitability, safety and compliance in the intended market and application. This document does not constitute regulatory approval or a guarantee of final-product properties.