

TECHNICAL DATA SHEET

CEDRAMBER

Synthetic woody-amber aroma chemical

1. RAW MATERIAL IDENTIFICATION

Product name	Cedramber
Chemical name	Cedryl methyl ether
IUPAC name	(3R-(3 α ,3 α β ,6 β ,7 β ,8 α))-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene
Synonyms	Methyl cedryl ether; Cedrol methyl ether
INCI name	CEDROL METHYL ETHER
CAS number	19870-74-7 / 67874-81-1
EC number	243-384-7 / 267-510-5
REACH number	01-2120228335-61-XXXX
Molecular formula	C ₁₆ H ₂₈ O
Molecular weight	236.40 g/mol
Chemical group	Polycyclic terpene ether
Raw material origin	Synthetic
Geographical origin	China
Raw material category	Aroma chemical

2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Cedramber belongs to the woody - cedar/sandal olfactory family and functions primarily as a base note in fragrance compositions.

Its odour is dry, warm and distinctly woody-amber, with a cedar character and subtle musky and lactonic nuances.



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3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITIONS

Cedramber is a synthetic aroma chemical with a strong, dry and warm woody-amber character. Its odour profile is dominated by cedar and modern amber-woody nuances, accompanied by subtle musky and slightly lactonic tones.

It is distinguished by high substantivity and good diffusion. It provides structure, warmth and pronounced woody volume to fragrance compositions. It is particularly suitable for modern woody, amber, chypre and masculine fragrances.

It blends well with Iso E Super, Ambroxide, Cashmeran, Kephalis, Vertofix, cedarwood oils, sandalwood, vetiver, patchouli, musk aroma chemicals, labdanum, benzyl salicylate, coumarin, vanillin and spicy materials.

Functional role in perfumery: A powerful woody-amber base note, fixative and building material for cedar accords. It improves longevity, volume and diffusion, reinforces dry woody tones and connects woody materials with amber, musky and spicy notes.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended use in perfumery: For building dry cedar, woody and amber base notes and for improving the longevity and diffusion of fragrance compositions.

It is used to create and modify:

- dry cedar and amber-woody accords;
- modern masculine fragrance compositions;
- woody and aromatic-woody fragrances;
- amber and oriental compositions;
- chypre and fougère fragrances;
- sandalwood, patchouli and vetiver accords;
- musky-woody bases;
- leather, tobacco and spicy compositions;
- mineral and dry earthy accords;
- fragrances for soaps, cosmetics and household products.

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5. RECOMMENDED USE

Recommended use level	0.10-5.00% in the fragrance concentrate
Method of addition	May be added directly to the fragrance concentrate
Laboratory dilution	If required, prepare a 10% solution in ethanol, DPG or another suitable perfumery solvent
IFRA - Category 4	Up to 100% according to the available certificate for the 51st IFRA Amendment

In pronounced woody and amber compositions, the concentration may be increased according to the desired olfactory effect. The stated range is a formulation recommendation and not a regulatory maximum. Some IFRA categories have lower maximum concentrations due to trace levels of alpha-cedrene; therefore, the current IFRA certificate for the relevant finished-product category must be checked before use.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Clear liquid
Colour	Colourless to pale yellow
Odour	Dry, warm and pronounced woody-amber odour, with a cedar character and subtle musky and lactonic nuances
Purity	97.0-100.0%
Relative density at 20 °C	0.969-0.980
Relative density at 25 °C	0.975-0.982
Refractive index at 20 °C	1.494-1.498
Boiling point	Approximately 268 °C
Flash point	Above 100 °C, closed cup
Solubility	Insoluble in water; soluble in ethanol and common perfumery solvents



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7. STABILITY AND COMPATIBILITY

Stable under recommended storage conditions. Avoid contact with strong oxidising agents. It blends well with woody, cedar, amber, musky, spicy, leather, tobacco, chypre and fougère materials. Compatibility, stability, colour and odour profile must be confirmed in the final formulation and intended packaging.

8. REGULATORY DATA AND STATUS

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

GMO status: Not derived from GMO and does not contain GMO.

Nanomaterials: Does not contain nanomaterials according to relevant regulatory definitions.

IFRA status: According to the available supplier certificate for the 51st IFRA Amendment, Cedramber is permitted up to 100% in Category 4. Lower limits apply to certain other categories due to trace levels of alpha-cedrene.

Allergen status: Cedramber is not listed as a declarable fragrance allergen under Regulation (EU) 2023/1545. The safety and compliance of the finished product must be confirmed by an appropriate safety assessment.

9. STORAGE AND SHELF LIFE

Store at temperatures up to 25 °C in the original, tightly closed container, protected from light, heat and prolonged contact with air. Reseal opened containers carefully and keep them upright.

Recommended storage temperature: Maximum 25 °C.

Shelf life: 24 months under the prescribed storage conditions.

10. SAFETY INFORMATION

Cedramber is intended for professional use as an ingredient in fragrance and cosmetic compositions. It must not be applied directly to the skin in concentrated form.

According to the safety data sheet: H317 - May cause an allergic skin reaction; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long-lasting effects.

Wear suitable protective gloves and eye protection. Avoid contact with skin and eyes and inhalation of vapour or aerosol. Prevent release into drains, soil and waterways.

11. DISCLAIMER

The information applies exclusively to the raw material described and does not replace the specification, COA, IFRA documentation or safety data sheet of the specific manufacturer. The user is responsible for verifying suitability, stability, safety and regulatory compliance for the intended application and target market. This document does not constitute regulatory approval or a guarantee of the properties of the finished product.