

TECHNICAL DATA SHEET

CASHMERAN

Synthetic aroma chemical with a warm, diffusive and long-lasting woody-musky character

1. RAW MATERIAL IDENTIFICATION

Product name	Cashmeran
Supplier product name	CAS MUSC
INCI name	DIHYDRO PENTAMETHYLINDANONE
Chemical name	1,1,2,3,3-Pentamethyl-2,3,4,5,6,7-hexahydro-1H-inden-4-one
Synonyms	Dihydro Pentamethylindanone; DPMI; Astromeran; Yinghaitone
CAS number	33704-61-9
EC number	251-649-3
RIFM ID	1269
Molecular formula	C ₁₄ H ₂₂ O
Molecular weight	206.33 g/mol
Chemical group	Cyclic ketone / indanone aroma chemical
Raw material origin	Synthetic
Raw material category	Aroma chemical

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2. OLFACTORY CLASSIFICATION AND ODOUR PROFILE

Fragrance note	Middle to base note
Primary olfactory family	Woody
Secondary olfactory family	Musky / Ambery
Additional classification	Spicy / Floral - Other / Powdery
Odour profile	Warm, diffusive and long-lasting woody-musky odour with spicy, ambery, floral and slightly powdery nuances
Application	Fragrance compositions, fragrance bases, cosmetic products and household care products

3. DESCRIPTION AND FUNCTION IN FRAGRANCE COMPOSITION

Cashmeran is a synthetic aroma chemical with a highly diffusive, warm and long-lasting woody-musky character. Its odour combines dry woody, ambery and musky tones with distinctive spicy, mineral and slightly powdery-floral nuances.

It gives fragrance compositions warmth, volume, texture and a modern sensual character. It can soften harsh transitions between woody, floral and musky notes while increasing their fullness and longevity.

At lower concentrations, it acts as a diffusive modifier and links different parts of the composition. At higher levels, it develops a pronounced woody-musky accord with a dry, spicy and ambery character.

Functional role in perfumery: Cashmeran is used as a woody-musky middle and base note, a modifier of ambery, floral and woody accords, and a material that increases the volume, diffusivity, warmth and longevity of a fragrance composition.

4. APPLICATION AND OLFACTORY COMPATIBILITY

Recommended use in fragrances: Cashmeran is used to build warm woody, musky, ambery and spicy notes and to increase the volume, diffusivity and longevity of a fragrance composition.

It is used to create and modify:

- woody and woody-musky accords;
- ambery and amber-woody compositions;
- clean and modern musk bases;
- spicy, dry and mineral accords;
- floral-woody and floral-musky compositions;
- rose, jasmine, violet and iris accords;
- sandalwood, cedarwood and patchouli bases;
- chypre, fougère and oriental compositions;
- leathery, tobacco and dark woody fragrances;
- fragrances for soaps, cosmetic products and household care products.

It combines well with Iso E Super, Ambroxide, Cedramber, vetiver, cedarwood and sandalwood materials, patchouli, ionones, methyl ionones, rose and jasmine materials, labdanum, vanillin, coumarin and macrocyclic and polycyclic musks.

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5. RECOMMENDED USE

Recommended use level	0.10-3.00% in the fragrance concentrate
Below 0.10%	Subtle increase in warmth and diffusivity
0.10-3.00%	Clear woody-musky effect and increased longevity
Higher levels	Pronounced woody-musky compositions, according to the desired olfactory effect
Laboratory dilution	10% in ethanol, DPG or another suitable perfumery solvent

Cashmeran may be added directly to the fragrance concentrate. If the material is solid or partially crystallised, it must be fully homogenised before weighing. The stated range is a formulation recommendation, not a regulatory maximum concentration.

IFRA status: The final concentration must comply with the current IFRA restriction for the relevant product category, the safety assessment of the finished product and the regulations of the target market.

6. PHYSICOCHEMICAL AND TECHNICAL DATA

Appearance	Liquid or solid material at room temperature
Colour	Pale yellow
Relative density at 25 °C	0.954-0.965
Refractive index at 20 °C	1.497-1.502
Flash point	94 °C, closed-cup method
Purity	90.0-100.0%
Total isomer content	90.0-100.0%
Solubility	Insoluble in water; soluble in alcohol and suitable perfumery solvents
Storage	At up to 20 °C, in the original, tightly closed container, in a cool and dry place, protected from light, air and heat sources
Shelf life	24 months
Shelf-life conditions	Storage in the original, hermetically sealed container under the recommended conditions

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7. STABILITY AND STORAGE

Stable under the prescribed storage conditions. Avoid strong oxidising agents, heat sources and prolonged exposure to air and light. Carefully reseal the container immediately after use. Confirm stability and compatibility in the finished formulation and intended packaging.

8. REGULATORY DATA AND STATUS

Declarable fragrance allergens: Not stated in the supplied cosmetic declaration.

Vegan status: Vegan; contains no animal-derived ingredients.

GMO status: Does not contain and is not derived from GMOs.

Nanomaterials: Contains no nanoparticles.

Antioxidants and stabilisers: None added.

Solvents: None added.

Origin according to ISO 16128: 0% natural origin.

9. SAFETY INFORMATION

Cashmeran 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 product safety data sheet, it is classified with the following hazard statements:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long-lasting effects

Wear suitable protective gloves and eye protection during handling. Avoid inhalation of vapour or aerosol and prevent direct contact with skin and eyes. Do not release into drains, soil or waterways.

The final concentration in the finished product must comply with the current IFRA restriction for the relevant category, the safety assessment of the finished product and the regulations of the market where it is placed on the market.

10. 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.