



CAS:82356-51-2

# METHYLCYCLOPENTADECENONE

麝香烯酮

It is recommended for use in perfumery for a wide range of applications, for example, for fine fragrances, for body care and fabric care products.

# ODOWELL

# METHYLCYCLOPENTADECENONE brochure

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Product Name : METHYLCYCLOPENTADECENONE

Chemical Name : (5E)-3-Methylcyclopentadec-5-en-1-one

CAS Number : 82356-51-2

Molecular Formula : C16H28O

Appearance : Colorless to pale yellow liquid

Odor : Powerful, clean, animalic musk odor with a sweet undertone.

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## Product Overview

It is a macrocyclic musk compound widely used in perfumery to provide a long-lasting, sensual, and diffusive musk note. It is highly appreciated for its clean character and its ability to enhance the overall fragrance profile.

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## Key Applications

Fine Fragrance: Used as a base note in perfumes and colognes to provide a long-lasting musk effect.

Personal Care: Incorporated into soaps, lotions, and other personal care products for its fragrance.

Laundry Care: Used in detergents and fabric softeners to impart a pleasant musk scent to fabrics.

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## Recommended Usage Levels

Perfume: 0.1-10%

Personal Care: 0.01-0.5%

Laundry Care: 0.005-0.1%

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## Product Advantages

Unique Fragrance: Possesses a strong, clean musk fragrance.

Excellent Stability: Highly stable in perfume formulations.

Versatility: Suitable for multiple perfume formulations.

Long-Lasting: Provides a long-lasting musk effect.

Good Diffusion: Enhances the overall fragrance diffusion.

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## Market Applications

High-End Perfumes: Used in high-end perfumes for musk, leather, and cedarwood notes.

Fragrance Formulation: Used to enhance the volume of perfumes.

Personal and Laundry Care Products: Used in various scented products.

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## Technical Specifications

Purity:  $\geq 95\%$

Molecular Weight: 236.39 g/mol

Density: 0.93 g/cm<sup>3</sup> at 20°C

Refractive Index: 1.485 - 1.495 at 20°C

Boiling Point: Decomposes at high temperatures

Solubility: Soluble in ethanol and other organic solvents. Insoluble in water.

Storage Conditions: Store in a well-sealed container in a well-ventilated, cool, dry place.

Shelf Life: 2 years

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## Packaging and Storage

Packaging: Available in 1 kg and 25 kg containers.

Storage: Store in a cool, dry place, sealed and protected from direct sunlight and high temperatures.

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## Precautions

Avoid prolonged inhalation. Refer to the Safety Data Sheet (SDS) for complete safety information.