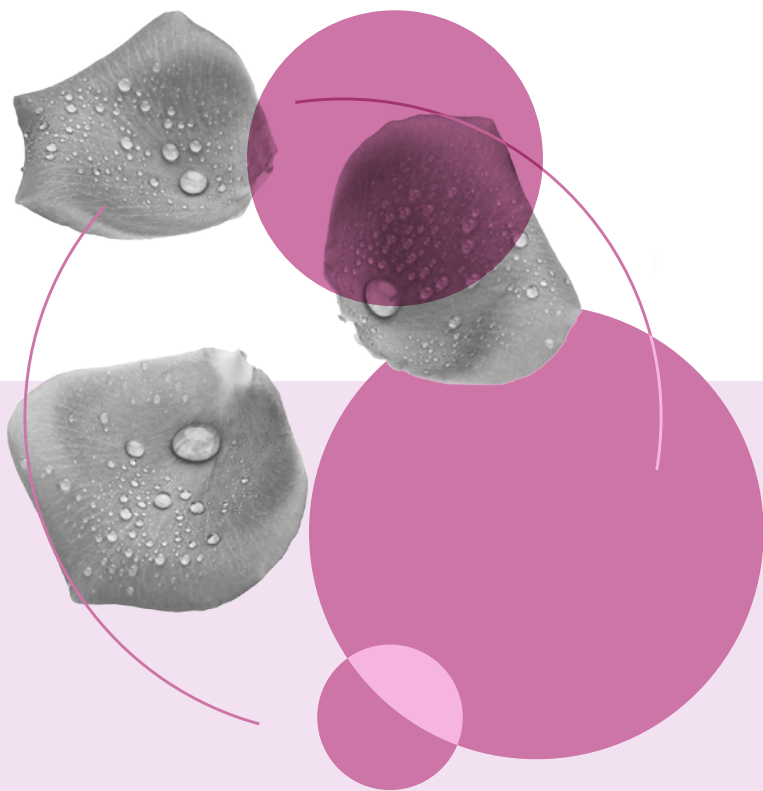


Milk Lactone

DEC-(5/6)-ENOIC ACID



Olfactive Description

Olfactive Family

Floral

FLORAL, CREAMY, GREEN, MILKY.

Milk Lactone is a floral, creamy, vibrant green material also imparting the comforting olfaction of milk notes. Milk Lactone offers a sensorial experience that is both comforting and refreshing, capturing the essence of a gentle, floral milkiness in every whiff.

USAGE RECOMMENDATIONS

Milk Lactone is used in dairy flavors such as milk, cream, butter and cheese. It is mainly used in baked goods, dairy products and desserts. In perfumery, milk lactone adds a fresh, watery note to floral bouquets, especially in rose accords. It is also useful in enhancing the freshness of grassy or anise top-notes.

DOSAGE RECOMMENDATIONS

In flavor applications, the dosage can be up to: 25 ppm

In fragrance applications, the dosage can be up to: 5%

Product Data

Product No.	20090
Empirical Formula	$C_{10}H_{18}O_2$
Molecular Weight	170.25 g/mol
CAS	72881-27-7
EC	286-861-5
FLAVIS	08.068
FEMA	3742
JECFA	327
REACH	Exempt
Usage	Flavor & Fragrance
Natural occurrence	Yes
Kosher Status	Certified
Halal Status	Suitable
Product Type	Synthetic

Properties



Food Grade



Nature-Identical



Readily Biodegradable



Vegan

Note Impact

Top Note	● ● ● ●	High
Heart Note	● ● ● ●	Medium
Base Note	● ● ● ●	Medium

Tenacity on blotter



Two weeks

Performance

● ● ● ●	Good	Fine Fragrances Shampoo
● ● ● ●	Moderate	Cream
○ ● ● ●	Poor	Soap Fabric Softener Detergent Powder

Stability

● ● ● ●	Good	Fine Fragrances Cream
● ● ● ●	Moderate	Shampoo Soap
○ ● ● ●	Poor	Fabric Softener Detergent Powder

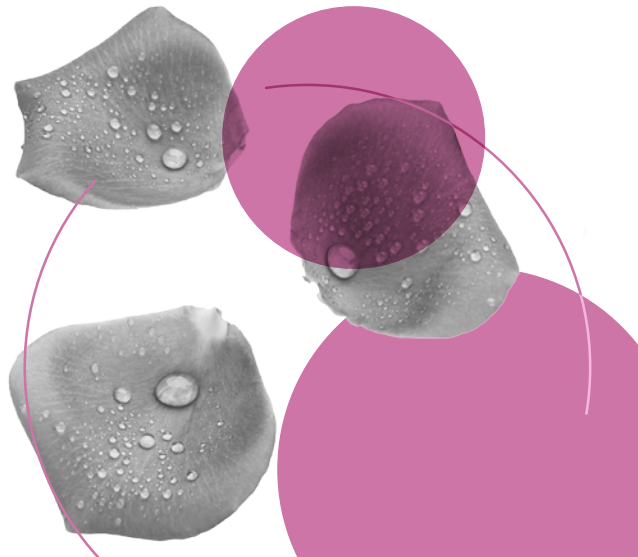
Chemical Structure



Disclaimer – The information contained in ACS International product documentation is believed to be accurate to the best of our knowledge. ACS International reserves the right to discontinue or add ingredients to its portfolio or change product specifications without prior notice.

Technical Data

Appearance	Colorless to pale yellow liquid.
Purity	> 95.0%
Refractive index	1.4470 - 1.4600 (20 °C)
Density	0.9160 - 0.9450 (25 °C/25 °C)
Acid Value	Not specified.
Optical rotation	Not applicable.
Flash point	> 100 °C
Stabilizer	None
Melting point	Not specified.



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