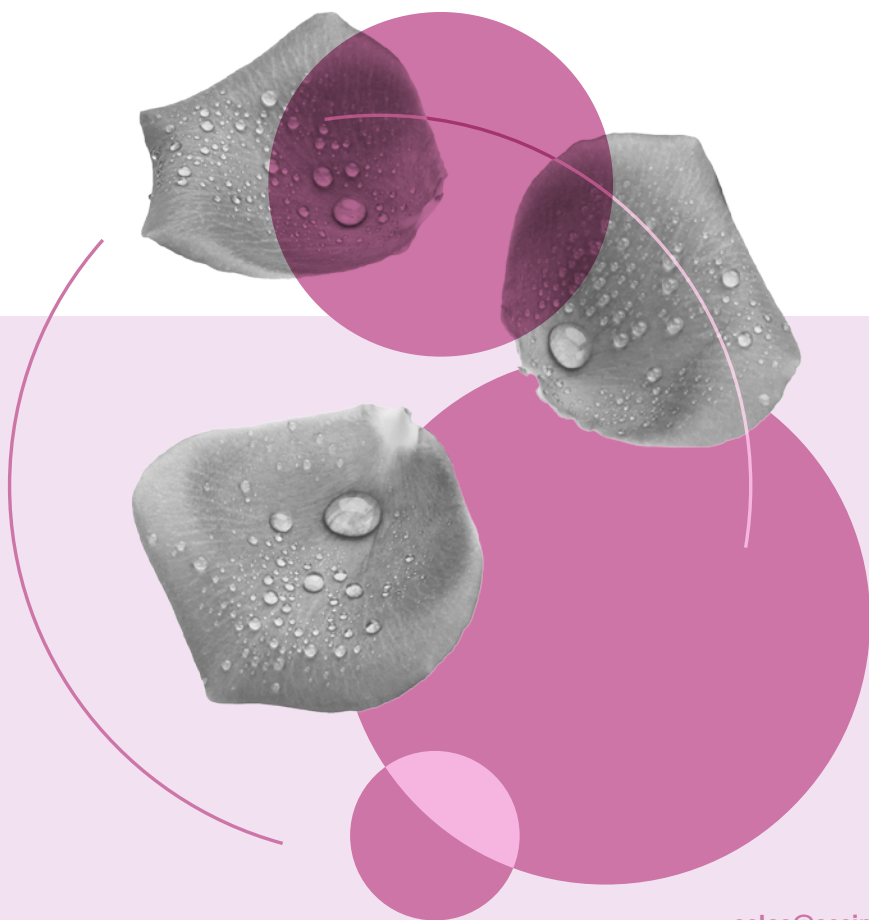


Milk Lactone

DEC-(5/6)-ENOIC ACID



Olfactive Description

Olfactive Family

Floral

FLORAL, CREAMY, GREEN, MILKY.

USAGE RECOMMENDATIONS

Milk lactone is used in dairy flavours 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

Dosage in flavours can go up to 25 ppm in finished consumer products.
Dosage in fragrances can vary from 0.3% 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	Flavour & Fragrance
Natural occurrence	Yes
Kosher Status	Certified
Halal Status	Suitable

Properties



Food Grade	Yes
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Natural Status	Synthetic
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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 Powder Detergent

Stability

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

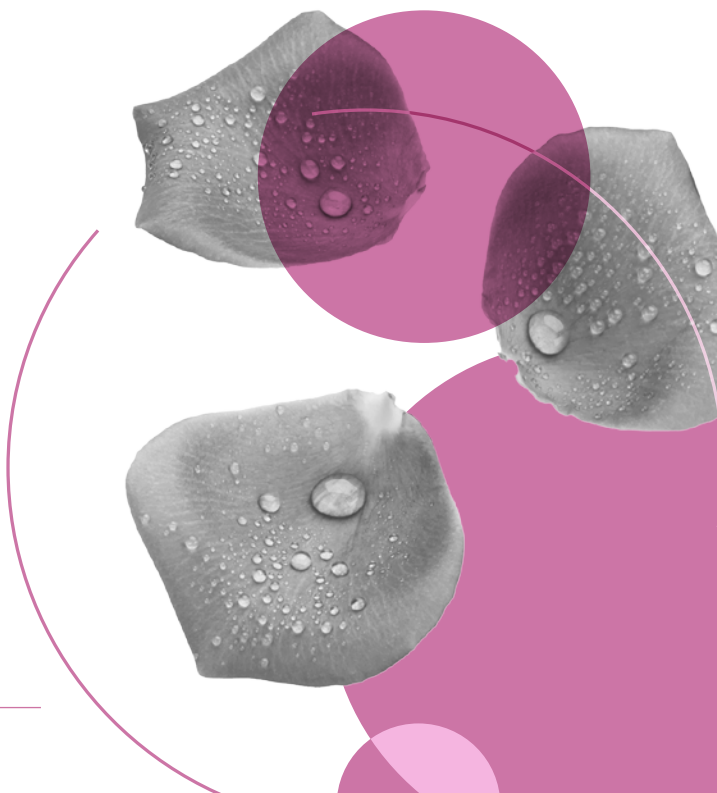
Chemical Structure



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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