

Foreverest Resources Ltd

delta-Dodecalactone

98%

Delta Dodecalactone is naturally presented in peach. It appears colorless to yellow liquid with fruity and milk odor. delta-Dodecalactone is prepared by the free radical reaction of nonanol and acroleic acid. It is widely used as food flavors, especially in cream, butter flavors, beverages and baking. FDA institutes the prescribed limit is less than 10mg/kg to used in butterine. European Council institutes it used in food is less than 40mg/kg.

Substance Identification

Synonyms	δ-Dodecalactone 5-Hydroxy Dodecanoic acid δ lactone
CAS	N/A
EINECS	211-932-4

FEMA	N/A
HS.CODE	29322090
Molecular Formula	C12H22O2
Molecular Weight	198.304

Application & Uses

- used in peach, vanilla, tropicals, cream and apricot flavors
- used for a subtle cream note or as a blender for harsher peach/vanilla notes
- used in cosmetics
- widely used in feed essence

Sales Specification

ITEM	VALUE
Appearance	Colorless to yellow liquid
Odor	Fruity, Milk
Acid Value, mgKOH/g	8.0 max
Refractive Index, @ n20/D	1.458 to 1.461

ITEM	VALUE
Relative Density, @ d20/20	0.942 to 0.950
Solubility	Insoluble in water, soluble in organic solvents
LD50 oral, rat	≈5g/kg
LD50 dermal, rabbit	≈5g/kg

Package

- Galvanized Iron Drum, 25kg
- Galvanized Iron Drum, 50kg
- Galvanized Iron Drum, 200kg

GHS Hazard Statements

H-Code H315/319/335
P-Code P261/264/271/280
Response P302+P352 P304+P340+P312 P305+P351+P338 P332+P313 P337+P313
Storage P403+P233 P405
Disposal P501
S-phrases: S26 S37/S39 | R-phrases: R36/37/38

Storage

- tightly closed, in a well-ventilated place
- keep away from source of ignition - no smoking

Remark

The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.