

Foreverest Resources Ltd

Methyl Dihydrojasmonate

97%

Methyl Dihydrojasmonate (MDJ) is a jasmine-like compound that appears colorless to pale yellow transparent oily liquid with floral and jasmine-like odor. It is extracted from natural oil with floral, jasmine, citrus freshness. Methyl Dihydrojasmonate is industrially prepared by the condensation of 2-pentylcyclopent-2-en-1-one and diethyl malonate in the presence of a catalyst, and then through the hydrolysis, decarboxylation, and esterification reactions at 160-180°C. Methyl Dihydrojasmonate is a very important fragrance in the modern perfume industry and is commonly used in the preparation of oriental perfumes. Methyl Dihydrojasmonate was developed by Demole and Lederer in the 1960s, and produced by Firmenich. (Germany Patent: 1150483, Helv. chim. acta, 1962, 45'2', 685)

Substance Identification

Synonyms	Hedion Methyl Dihydro Jasmonate (MDJ)
CAS	N/A

EINECS	246-495-9
FEMA	N/A
HS.CODE	29183000
Molecular Formula	C13H22O3
Molecular Weight	226.32

Application & Uses

- used as fragrance in oriental perfumes, such as the fragrance of jasmine, lily of the valley, and fragrant jade.
- used in the fragrance formulation of cosmetics
- used in the fragrance formulation of personal care products

Sales Specification

ITEM	VALUE
Appearance	Pale yellow to yellow transparent oily liquid
Odor	Floral, jasmine-like odor
Acid Value, mgKOH/g	0 to 1.0
Refractive Index, @ n20/D	1.457 to 1.461

ITEM	VALUE
Relative Density, @ d25/25	0.998 to 1.006
LD50 oral, rat	5g/kg min
LD50 dermal, rabbit	5g/kg min

Package

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

GHS Hazard Statements

H-Code	H401
P-Code	P273
Response	No data available
Storage	No data available
Disposal	P501
S-phrases:	S23-S24/25

Storage

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

Relation Articles

- [Green in Perfume, How to build a better rose](#)

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.