

MILTITZ AROMATICS GmbH

Product data sheet

Version: 3

Version date: 09.11.2016

PRODUCT

DIMETHYLDIOXOLANE

Chemical name: Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate, Mixture of isomers
Synonyms: 1,3-Dioxolane-2-acetic acid, 2,4-dimethyl-, ethyl ester
cis- and trans-Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate
Dimethyldioxolan
Ethyl (2,4-dimethyl-1,3-dioxolan-2-yl)acetate
Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate
Ethyl 2,4-dimethyldioxolane-2-acetate
Fraistone
Z- and E-Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate

Product-No.: 0104400000

Molecular formula: C₉H₁₆O₄

Molecular weight: 188.22

CAS No.: 6290-17-1

EC No.: 228-536-2

FEMA/GRAS No.: 4294

FCC (V): -

IFRA: corresponds

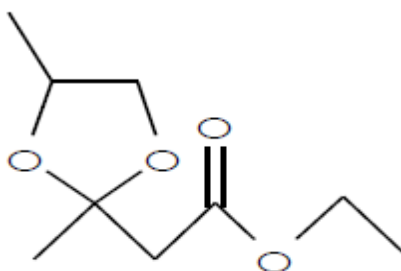
EFFA: registered

FDA: -

Tariff number: 2918 99 90

Kosher status: certified

REACH: Preregistration No.: 05-2116875501-44-0000



Specifications

Appearance: colourless liquid

Odour: fresh-fruity; reminiscent of strawberry and apple

Density d_4^{20} : 1.038 - 1.046 g/cm³

Refractive index n_D^{20} : 1.4250 - 1.4290

Boiling point: 110 °C (27 hPa)

Melting point: -68 °C

Flash point: 98 °C

Composition: >=98% Total content Ethyl-2,4-dimethyl-1,3-dioxolane-2-acetat
45.0 - 55.0 % DMDO Isomer 1
45.0 - 55.0 % DMDO Isomer 2
<= 0.3 % Ethylaceto acetate
<= 0.3 % Propylene glycol

Solubility in water: almost insoluble

Other solubilities: soluble in many organic solvents

Vapour pressure: no data available

Stability and storage

Storage: Keep container tightly closed, dry, dark and cool, in a well ventilated place.
Store in the original container under protective gas (nitrogen).

Stability: Under these conditions stable for at least 9 month.

Additives: Does not contain any stabilising agents.

Please note: This information has been prepared to the best of our knowledge, as an advice for our customers, and without any legal liability. Please ask us for further information especially the Material Safety Data Sheet.