

**PCW**

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Technical Data Sheet**C16 ALDEHYDE**

Manufacture PCW

Reference : C16 ALDEHYDE

1 - TECHNICAL DATA

<i>IUPAC Name :</i>	Ethyl 2,3-epoxy-3-phenylbutyrate
<i>I.N.C.I. :</i>	Ethyl methylphenyl glycidate
<i>Chemical / REACH name :</i>	Ethyl-3-methyl-3-phenyloxirane-2-carboxylate
<i>Synonyms :</i>	Aldehyde C16
<i>Molecular formula :</i>	C12 H14 O3
<i>Molecular weight :</i>	206.24
<i>Anti-oxydant(s) :</i>	None
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	No 111.3 mg/L @ 25°C (litt.)
<i>Use level max. recom. :</i>	-

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless
<i>Odour :</i>	Sweet, Fruity, Strawberry
<i>Relative density @ 25°C :</i>	[1.086 ; 1.096]
<i>Refractive index @ 20°C :</i>	[1.504 ; 1.513]
<i>Acid Value :</i>	[0 ; 2.0 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	[259 ; 261]
<i>Flash point (°C) (close cup) :</i>	93
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98 ; 100]

1.5 VLEP

<i>VLEP short term mg/m3 (98/24/CE) :</i>	No data
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VLEP (8h) mg/m3 (98/24/CE) : No data

2 - COSMETIC REGULAR DATA

Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : See certificate
IFRA : No restrictions (50th Am.)
CMR (Reg. 1223/2009/EEC) : See certificate
VOC Swiss - Annex 1 : Not listed
LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) : 100%
Statut kosher : Certified
Halal status : Certified
CAS number : 77-83-8

2.1 - REGULAR DATA FLAVOURS

Foodgrade certificate : Certified
REG. 872/2012 CE Annex 1 : Listed
Natural status (Reg. 1334/2008/EC) : Flavouring substance
Food allergens (Reg. 1169/2011/EC) : None
Genetically Modified Organisms (GMO) : Does not result / does not contain GMO
Bovine Spongiform Encephalopathy (BSE) : Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process
Ionization : Not submitted to a processing of ionization
Vegan : Yes

4 - TRANSPORT - HANDLING - STORAGE

Shelf life : 12 months, according to storage conditions
Custom tariff : 2918 99 90 15
Tunnel codes ADR : E
Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

Storage : Store in a cool, dry, well-ventilated area away from incompatible substances.

Transport :

Land Transport ADR/RID : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Ethyl methylphenylglycidate), 9, III
Maritime Transport IMDG : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Ethyl methylphenylglycidate), 9, III
Marine pollutant : Yes
Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Ethyl methylphenylglycidate), 9, III

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LEGISLATION :

RIFM - ID N° : 201
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
IECSC (China) : Listed
JECFA n° : 1577
FLAVIS : 16.015
FEMA : 2444
FDA : 182.60
EPA N° : Listed
ENCS (Japan) n° : 3-3096
EINECS (EU) : 201-061-8
KECI : KE-13687
COE (Council of Europe) : 6002
DSL (Canada) : Listed
ASIA PAC : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
NEPA (China) : CB9126747
Swiss Giftliste 1 : G-6091
TCSI (Taiwan) : Listed
C.A.S : 77-83-8

Labeling :



Symbol: Xi
R43: May cause sensitization by skin contact.
Symbol: N



R51-53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S24: Avoid contact with skin.