

**PCW**

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Technical Data Sheet**GAMMA NONALACTONE = ALDEHYDE C18**

Manufacture PCW

Reference : GAMMA NONALACTONE = ALDEHYDE C18

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Gamma-nonalactone
<i>IUPAC Name :</i>	Nonan-4-olide; Dihydro-5-pentyl-2(3H)-furanone
<i>Chemical / REACH name :</i>	Nonan-4-olide
<i>Synonyms :</i>	Abricolin ; Aldehyde C18 ; Coconut aldehyde , Prunolide ; Gamma-Pelargolactone
<i>Molecular formula :</i>	C9 H16 O2
<i>Molecular weight :</i>	156.22
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Use level max. recom. :</i>	-
<i>Anti-oxydant(s) :</i>	None
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless to clear yellow
<i>Odour :</i>	Coconut
<i>Relative density @ 25°C :</i>	[0.958 ; 0.966]
<i>Refractive index @ 20°C :</i>	[1.446 ; 1.450]
<i>Acid Value :</i>	[0 ; 2.0 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	-
<i>Flash point (°C) (close cup) :</i>	>110
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98.0 ; 100.0]
<i>Impurities >0.01% :</i>	-

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

VOC Swiss - Annex 1 : Not listed
LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) : 100%
Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : See certificate
IFRA : No restrictions (49th Am.)
CMR (Reg. 1223/2009/EEC) : See certificate
Statut kosher : Certified
Hallal status : Certified
CAS number : 104-61-0
Animal testing : This product was not tested on animals.
Nanoparticle : Not concerned

2.1 - REGULAR DATA FLAVOURS

Ionization : Not submitted to a processing of ionization
Natural status (Reg. 1334/2008/EC) : Flavouring substance
REG. 872/2012 CE Annex 1 : Listed
Foodgrade certificate : Certified
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
Food allergens (Reg. 1169/2011/EC) : None

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff : 2932 20 90 90
Tunnel codes ADR : /
Shelf life : 12 months, according to storage conditions
Precautions of use : -

4.1 - STORAGE

Storage : Store at 20°C max. Avoid prolonged exposure to light and air.

Transport :

Land Transport ADR/RID : NR Not regulated for transport
Maritime Transport IMDG : NR Not regulated for transport
Marine pollutant :
Air Transport IATA : NR Not regulated for transport

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LEGISLATION :

FEMA : 2781
EPA N° : Listed
FDA : 172.515
FLAVIS : 10.001
JECFA n° : 229
NEPA (China) : CB8157049
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
RIFM - ID N° : 305
TSCA (Toxic Substances Control Act - USA) : Listed
IECSC (China) : Listed
ISHL (Japan) : Not listed
ECSI (Taiwan) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
DSL (Canada) : Listed
COE (Council of Europe) : 178
ECL (Corée du Sud) n° : KE-10736
EINECS (EU) : 203-219-1
ENCS (Japan) n° : (9)-137
C.A.S : 104-61-0

Labeling :

H000 - Not classified according to the Regulation 1272/2008/EC