

**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
<i>Molecular formula :</i>	C9 H16 O2
<i>Molecular weight :</i>	156.23
<i>Origin raw material :</i>	Synthetic
<i>Origine géographique :</i>	China
<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 slightly yellow
<i>Odour :</i>	Hard, sweet, coconut
<i>Relative density @ 25°C :</i>	[0.955 ; 0.966]
<i>Refractive index @ 20°C :</i>	[1.445 ; 1.450]
<i>Acid Value :</i>	[0 ; 1.0 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	234
<i>Flash point (°C) (close cup) :</i>	110
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98.5 ; 100.0]
<i>Impurities >0.01% :</i>	-

1.5 VLEP

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VLEP short term mg/m³ (98/24/CE) : No data

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 (50th Am.)

CMR (Reg. 1223/2009/EEC) : See certificate

Statut kosher : Certified

Halal status : Certified

CAS number : 104-61-0

Nanoparticle : Not concerned

Animal testing : This product was not tested on animals.

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

Vegan : Yes

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff : 2932 20 90 90

Tunnel codes ADR : /

Shelf life : 24 months, according to storage conditions

Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

Storage : Store in cool place (10°C max.), in tightly sealed original container. Avoid prolonged exposure to light, heat 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 :

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

Labeling :

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