

**PCW**

45 Boulevard Marcel PAGNOL

06130 GRASSE - FRANCE

Tel : +33 (0)4 92 42 35 00 Fax: +33 (0)4 92 42 35 19

Site : www.pcwfrance.com Mail : info@pcwfrance.com

Technical Data Sheet**GAMMA UNDECALACTONE = ALDEHYDE C14**

Manufacture PCW

Reference : GAMMA UNDECALACTONE = ALDEHYDE C14

1 - TECHNICAL DATA

<i>IUPAC Name :</i>	Undecan-4-olide
<i>I.N.C.I. :</i>	gamma-Undecalactone
<i>Chemical / REACH name :</i>	gamma-Undecalactone
<i>Synonyms :</i>	Aldehyde C14 ; Peach aldehyde coeur
<i>Molecular formula :</i>	C11 H20 O2
<i>Molecular weight :</i>	184.28
<i>Chimic Class :</i>	Lactone
<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
<i>Ref code :</i>	AC14-1

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless to clear yellow
<i>Odour :</i>	Peach like, Fruity
<i>Relative density @ 25°C :</i>	[0.941 ; 0.944]
<i>Refractive index @ 20°C :</i>	[1.448 ; 1.453]
<i>Acid Value :</i>	[0 ; 2.0 mgKOH/g]
<i>Viscosity :</i>	<10 mPa.s @ 20°C
<i>Melting point (°C) :</i>	-9.5 @ 101.3 kPa
<i>Flash point (°C) (close cup) :</i>	110
<i>Boiling point (°C) :</i>	297
<i>Ignition temperature :</i>	No data
<i>pH-value :</i>	7
<i>Purity (%) :</i>	[98.0 ; 100.0]

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Impurities >0.01% : hydroxy undecanoic acid and former body 0.66%
propenoic acid or Acrylic acid methyl ester polymers 0.34%
octanoic acid and ester 0.01%

1.5 VLEP

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

VLEP (8h) mg/m³ (98/24/CE) : No data

2 - COSMETIC REGULAR DATA

Statut kosher : Certified
Halal status : In compliance with the religious concepts
CAS number : 104-67-6
Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : See certificate
IFRA : No restrictions (50th Am.)
VOC Swiss - Annex 1 : Not listed
LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) : 100 %
CMR (Reg. 1223/2009/EEC) : See certificate
Nanoparticle : Not concerned

2.1 - REGULAR DATA FLAVOURS

Ionization : Not submitted to a processing of ionization
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
Natural status (Reg. 1334/2008/EC) : Flavouring substance
REG. 872/2012 CE Annex 1 : Listed
Foodgrade certificate : Certified

4 - TRANSPORT - HANDLING - STORAGE

Shelf life : 24 months, according to storage conditions
Custom tariff : 2932 20 90 90
Tunnel codes ADR : /
Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

Storage : Store at 25°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 : No
Air Transport IATA : NR Not regulated for transport

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LEGISLATION :

AICS (Australian Invent. Chem. Subs.) : Listed
COE (Council of Europe) : 179c
RIFM - ID N° : 205
KECI : KE-18358
EINECS (EU) : 203-225-4
ENCS (Japan) n° : 5-67
DSL (Canada) : Listed
EPA N° : Not listed
FDA : 172-515
TSCA (Toxic Substances Control Act - USA) : 104-67-6
FEMA : 3091
FLAVIS : 10.002
NEPA (China) : CB0396763
JECFA n° : 233
IECSC (China) : Listed
NZIoC (New Zealand) : HSNO Approval Code HSR003507
PICCS (Philippines) : Listed
C.A.S : 104-67-6

Labeling :



ED12 Serious eye damage / eye irritation 2
EHC3 Hazardous to the aquatic environment, long-term hazard 3
SC12 Skin corrosion / irritation 2
STO-SE3-RI Toxicité organes cibles - expo unique 3RI

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H412 - Harmful to aquatic life with long lasting effects.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container according to the local/ regional / national / international Regulation.