

**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 DECALACTONE**

Manufacture PCW

Reference : GAMMA DECALACTONE

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Gamma-decalactone
<i>IUPAC Name :</i>	Decan-4-olide
<i>Chemical / REACH name :</i>	Decan-4-olide
<i>Synonyms :</i>	5-hexyloxolan-2-one ; 5-Hexyldihydrofuran-2(3H)-one
<i>Molecular formula :</i>	C ₁₀ H ₁₈ O ₂
<i>Molecular weight :</i>	170.25
<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>Description :</i>	Synthesis from heptanol and acid

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless to pale yellow
<i>Odour :</i>	Fruity, peach
<i>Relative density @ 25°C :</i>	[0.948 ; 0.954]
<i>Refractive index @ 20°C :</i>	[1.444 ; 1.454]
<i>Acid Value :</i>	[0 ; 2.00 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	153
<i>Flash point (°C) (close cup) :</i>	146
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98.0 ; 100.0]
<i>Impurities >0.01% :</i>	-

1.5 VLEP

GAMMA DECALACTONE

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 (49th Am.)

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

Statut kosher : Certified

Hallal status : Certified

CAS number : 706-14-9

Nanoparticle : Not concerned

2.1 - REGULAR DATA FLAVOURS

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 : 24 months, according to storage conditions

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 :

Air Transport IATA : NR Not regulated for transport

GAMMA DECALACTONE

LEGISLATION :

FLAVIS : 10.017
FEMA : 2360
RIFM - ID N° : 620
EINECS (EU) : 211-892-8
ECL (Corée du Sud) n° : KE-19914
ECSI (Taiwan) : Listed
ENCS (Japan) n° : (9)-137 ; (5)-1173
ISHL (Japan) : Listed
FDA : 172.515
JECFA n° : 231
COE (Council of Europe) : 2230
NEPA (China) : CB1270516
IECSC (China) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
DSL (Canada) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
C.A.S : 706-14-9

Labeling :

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