

**PCW**

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Technical Data Sheet**GAMMA VALEROLACTONE**

Manufacture PCW

Reference : GAMMA VALEROLACTONE

1 - TECHNICAL DATA

<i>Ref code :</i>	VALGA-1
<i>I.N.C.I. :</i>	Valerolactone gamma
<i>IUPAC Name :</i>	Gamma valerolactone
<i>Chemical / REACH name :</i>	Valerolactone gamma
<i>Synonyms :</i>	4-hydroxyvaleric acid lactone ; 5-methyloxolan-2-one ; dihydro-5-methyl-2(3H)-furanone
<i>Molecular formula :</i>	C5 H8 O2
<i>Molecular weight :</i>	100.12
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Anti-oxydant(s) :</i>	-
<i>Solubility in alcohol (°) :</i>	Yes

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless
<i>Odour :</i>	Fruity, butter
<i>Relative density @ 25°C :</i>	[1.047 ; 1.058]
<i>Refractive index @ 20°C :</i>	[1.430 ; 1.435]
<i>Acid Value :</i>	[0 ; 1]
<i>Flash point (°C) (close cup) :</i>	81
<i>Boiling point (°C) :</i>	207
<i>Melting point (°C) :</i>	-
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98 ; 100]
<i>Impurities >0.01% :</i>	-

1.5 VLEP

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

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2 - COSMETIC REGULAR DATA

<i>VOC Swiss - Annex 1 :</i>	Not listed
<i>Low VOC (CARB) :</i>	100%
<i>IFRA :</i>	No restrictions (50th Am.)
<i>Reg. 1223/2009 & mod. :</i>	See certificate
<i>Allergens SCCNFP List :</i>	See certificate
<i>CMR (Reg. 1223/2009/EEC) :</i>	See certificate
<i>Halal status :</i>	Certified
<i>Statut kosher :</i>	Certified
<i>CAS number :</i>	108-29-2
<i>Animal testing :</i>	-
<i>Nanoparticle :</i>	-

2.1 - REGULAR DATA FLAVOURS

<i>REG. 872/2012 CE Annex 1 :</i>	Listed
<i>Natural status (Reg. 1334/2008/EC) :</i>	Flavouring substance
<i>Foodgrade certificate :</i>	Complies with the requirements of Regulations 1334/2008/EC & 872/2012/EC
<i>Ionization :</i>	Not submitted to a processing of ionization
<i>Genetically Modified Organisms (GMO) :</i>	Does not result / does not contain GMO
<i>Bovine Spongiform Encephalopathy (BSE) :</i>	-
<i>Vegan :</i>	-
<i>Food allergens (Reg. 1169/2011/EC) :</i>	None

4 - TRANSPORT - HANDLING - STORAGE

<i>Tunnel codes ADR :</i>	/
<i>Precautions of use :</i>	Avoid any direct contact with the product.
<i>Shelf life :</i>	12 months, according to storage conditions
<i>Custom tariff :</i>	2932 20 90 90

4.1 - STORAGE

<i>Storage :</i>	Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.
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Transport :

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

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LEGISLATION :

NEPA (China) : CB4285373
RIFM - ID N° : 37
EINECS (EU) : 203-569-5
COE (Council of Europe) : 757
FLAVIS : 10.013
FEMA : 3103
FDA : Not listed
JECFA n° : 220
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
DSL (Canada) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
KECI : KE-23670
ENCS (Japan) n° : (9)-137
ISHL (Japan) : (9)-137
TCSI (Taiwan) : Listed
IECSC (China) : Listed
C.A.S : 108-29-2

Labeling :

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