

**PCW**

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Technical Data Sheet**DELTA UNDECALATONE**

Manufacture PCW

Reference : DELTA UNDECALATONE

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Delta-undecalactone
<i>IUPAC Name :</i>	6-Hexyltetrahydro-2H-pyran-2-one
<i>Chemical / REACH name :</i>	6-hexyltetrahydro-2H-pyran-2-one
<i>Synonyms :</i>	5-hexyl pentan-5-olide ; d-hexylvalerolactone ; 5-undecanolide
<i>Molecular formula :</i>	C ₁₁ H ₂₀ O ₂
<i>Molecular weight :</i>	184.28
<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 pale yellow
<i>Odour :</i>	Peachy, fruity, waxy
<i>Relative density @ 25°C :</i>	[0.956 ; 0.961]
<i>Refractive index @ 20°C :</i>	[1.457 ; 1.461]
<i>Acid Value :</i>	[0.6 ; 5.0 mg KOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	298
<i>Flash point (°C) (close cup) :</i>	110
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[99 ; 100]
<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 : -
Hallal status : -
CAS number : 710-04-3

2.1 - REGULAR DATA FLAVOURS

Ionization : -
Natural status (Reg. 1334/2008/EC) : Flavouring substance
REG. 872/2012 CE Annex 1 : Listed
Foodgrade certificate : Complies with the requirements of Regulations 1334/2008/EC & 872/2012/EC
Genetically Modified Organisms (GMO) : -
Bovine Spongiform Encephalopathy (BSE) : -

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff : 2932 29 85 90
Tunnel codes ADR : /
Shelf life : 30 months, according to storage conditions
Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

Storage : Keep under Nitrogen, in cool temperature (max 18°C). Avoid prolonged exposure to light, humidity 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

DELTA UNDECALATONE

LEGISLATION :

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
IECSC (China) : Listed
NEPA (China) : CB9676141
COE (Council of Europe) : 688
FLAVIS : 10.011
JECFA n° : 234
FEMA : 3294
FDA : Not listed
ISHL (Japan) : Listed
ENCS (Japan) n° : (5)-698
ECSI (Taiwan) : Listed
ECL (Corée du Sud) n° : KE-19936
RIFM - ID N° : 702
C.A.S : 710-04-3

Labeling :

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