

**PCW**

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Technical Data Sheet**VERNALDEHYDE**

Manufacture PCW

Reference : VERNALDEHYDE

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Vernaldehyde
<i>IUPAC Name :</i>	1-Methyl-4-(4-methylpentyl)cyclohex-3-ene-1-carbaldehyde
<i>Chemical / REACH name :</i>	1-methyl-4-(4-methylpentyl)cyclohex-3-ene-1-carbaldehyde
<i>Synonyms :</i>	-
<i>Molecular formula :</i>	C14 H24 O
<i>Molecular weight :</i>	208.30
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Use level max. recom. :</i>	-
<i>Anti-oxydant(s) :</i>	Not added directly
<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>	Green, aldehydic, metallic, fresh
<i>Density at 20°C :</i>	[0.893 ; 0.898]
<i>Densité à 20/4°C :</i>	[0.891 ; 0.896]
<i>Density @ 25°C :</i>	[0.890 ; 0.895]
<i>Refractive index @ 20°C :</i>	[1.463 ; 1.467]
<i>Indice de réfraction à 25°C :</i>	[1.461 ; 1.465]
<i>Acid Value :</i>	<= 2.0 mg/g
<i>Melting point (°C) :</i>	<-80
<i>Boiling point (°C) :</i>	274
<i>Flash point (°C) (close cup) :</i>	78
<i>Ignition temperature :</i>	-
<i>Somme of isomers (by G.C.) (%) :</i>	>=88.0
<i>Impurities >0.01% :</i>	-

VERNALDEHYDE

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

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 : 66327-54-6 ; 693252-50-5

2.1 - REGULAR DATA FLAVOURS

Ionization : -

Natural status (Reg. 1334/2008/EC) : -

REG. 872/2012 CE Annex 1 : -

Foodgrade certificate : -

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

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff : 2912 29 00 90

Tunnel codes ADR : E

Shelf life : 12 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 : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Vernaldehyde), 9, III

Maritime Transport IMDG : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Vernaldehyde), 9, III

Marine pollutant : Yes

Air Transport IATA : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Vernaldehyde), 9, III

VERNALDEHYDE

LEGISLATION :

RIFM - ID N° : 1018
EINECS (EU) : 945-920-1
DSL (Canada) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
ECL (Corée du Sud) n° : 2016-1-744
IECSC (China) : Listed
NZIoC (New Zealand) : Not listed
PICCS (Philippines) : Listed
NEPA (China) : CB2315812
ENCS (Japan) n° : Not listed
ISHL (Japan) : Not listed
FLAVIS : Not listed
FEMA : Not listed
COE (Council of Europe) : Not listed
JECFA n° : Not listed
C.A.S : 66327-54-6 693252-50-5