

**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**HERBOXAN**

Manufacture PCW

Reference : HERBOXAN

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Valeraldehyde hexyleneglycol acetal
<i>IUPAC Name :</i>	2-Butyl-4,4,6-trimethyl-1,3-dioxane ; 2,4-O-Pentylidene-2-methylpentane-2,4-diol
<i>Chemical / REACH name :</i>	2-Butyl-4,4,6-trimethyl-1,3-dioxane
<i>Synonyms :</i>	Herboxan ; Herbal acetal
<i>Molecular formula :</i>	C11 H22 O2
<i>Molecular weight :</i>	186
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Anti-oxdyant(s) :</i>	None
<i>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	No
<i>Origin raw material :</i>	Synthetic
<i>Use level max. recom. :</i>	-

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless to clear yellow
<i>Odour :</i>	Fresh, Aromatic, Green
<i>Densité à 20/4°C :</i>	[0.880 ; 0.890]
<i>Refractive index @ 20°C :</i>	[1.425 ; 1.433]
<i>Acid Value :</i>	1.00 max.
<i>Boiling point (°C) :</i>	206.00 to 207.00 °C. @ 760.00 mm Hg
<i>Flash point (°C) (close cup) :</i>	74.44
<i>pH-value :</i>	Neutral
<i>Purity (%) :</i>	95% min.
<i>Melting point (°C) :</i>	-
<i>Ignition temperature :</i>	-
<i>Impurities >0.01% :</i>	-

1.5 VLEP

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

HERBOXAN

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

2 - COSMETIC REGULAR DATA

CAS number : 54546-26-8
Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : See certificate
IFRA : No restrictions (49th Am.)
VOC Swiss - Annex 1 : Not listed
Low VOC (CARB) : 100%
Statut kosher : Certified
Hallal status : Certified
CMR (Reg. 1223/2009/EEC) : See certificate

2.1 - REGULAR DATA FLAVOURS

REG. 872/2012 CE Annex 1 : Not listed
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

Shelf life : 12 months, according to storage conditions
Custom tariff : 2911 00 00 00
Tunnel codes ADR : /
Precautions of use : -

4.1 - STORAGE

Storage : Store in cool place, 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

HERBOXAN

LEGISLATION :

JECFA n° : Not listed
FEMA : Not listed
ECIS (Taiwan) : Listed
NEPA (China) : CB3402021
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
ISHL (Japan) : Not listed
IECSC (China) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
FLAVIS : Not listed
Swiss Giftliste 1 : Not listed
RIFM - ID N° : 1008
FDA : Not listed
EPA N° : Listed
ENCS (Japan) n° : Not listed
EINECS (EU) : 259-210-8
ECL (Corée du Sud) n° : Not listed
COE (Council of Europe) : Not listed
DSL (Canada) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
C.A.S : 54546-26-8

Labeling :

R0:Not classified according to Directive 67/548/EEC (EU DSD)