

**PCW**

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Technical Data Sheet**BORNEOL CRISTALLISE (LAEVO)**

Manufacture PCW

Reference : BORNEOL CRISTALLISE (LAEVO)

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Bornéol
<i>IUPAC Name :</i>	(1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol
<i>Chemical / REACH name :</i>	L-borneol
<i>Synonyms :</i>	-
<i>Molecular formula :</i>	C10 H18 O
<i>Molecular weight :</i>	154.25
<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

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Crystal
<i>Color :</i>	White
<i>Odour :</i>	Camphor
<i>Density at 20°C :</i>	-
<i>Refractive index @ 20°C :</i>	-
<i>Acid Value :</i>	-
<i>Melting point (°C) :</i>	204
<i>Boiling point (°C) :</i>	214
<i>Flash point (°C) (close cup) :</i>	95
<i>Ignition temperature :</i>	-
<i>Somme of isomers (by G.C.) (%) :</i>	-
<i>Impurities >0.01% :</i>	-
<i>Optical rotation (°) :</i>	[-18 ; -6]

1.5 VLEP

BORNEOL CRISTALLISE (LAEVO)

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 (50th Am.)

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

Statut kosher : -

Halal status : -

CAS number : 464-45-9

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

Tunnel codes ADR : D/E

Shelf life : 24 months, according to storage conditions

Precautions of use : -

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 : 1312 BORNEOL, 4.1, III

Maritime Transport IMDG : 1312 BORNEOL, 4.1, III

Marine pollutant :

Air Transport IATA : 1312 BORNEOL, 4.1, III

BORNEOL CRISTALLISE (LAEVO)

LEGISLATION :

FLAVIS : 02.016
COE (Council of Europe) : 64
IECSC (China) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
NEPA (China) : CB8697516
EINECS (EU) : 208-080-0
FEMA : 2157
TCSI (Taiwan) : Listed
JECFA n° : 1385
DSL (Canada) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
AICS (Australian Invent. Chem. Subs.) : Listed
KECI : KE-34417
FDA : 172.515
RIFM - ID N° : 6257
ENCS (Japan) n° : (4)-607
ISHL (Japan) : Not listed
C.A.S : 464-45-9

Labeling :

R10:Flammable.