

**PCW**

PARFUM COSMETIC WORLD

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**BORNYL ACETATE (LAEVO)**

Manufacture PCW

Reference : BORNYL ACETATE (LAEVO)

TECHNICAL DATA

<i>Ref code :</i>	ACB-1
<i>I.N.C.I. :</i>	Bornyl acetate
<i>IUPAC Name :</i>	(1,7,7-trimethyl-6-bicyclo[2.2.1]heptanyl) acetate
<i>Chemical / REACH name :</i>	[(1S,3R,4S)-4,7,7-trimethyl-3-bicyclo[2.2.1]heptanyl] acetate
<i>Molecular formula :</i>	C ₁₂ H ₂₀ O ₂
<i>Origine géographique :</i>	Spain
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Process :</i>	-
<i>CAS number :</i>	5655-61-8 ; 76-49-3
<i>Nanomaterials :</i>	Does not contain nanomaterials as defined in Regulation (EC) 1223/2009 and Recommendation 2011/696/UE

ANALYTICAL DATA

<i>Appearance :</i>	Liquid to solid
<i>Colour :</i>	Colorless liquid to white solide
<i>Odour :</i>	Balsamic, woody, fresh, pine
<i>Refractive index at 20°C :</i>	[1.460 ; 1.468]
<i>Flash point (°C) (close cup) :</i>	>84
<i>Boiling point (°C) :</i>	224
<i>Purity (%) :</i>	[98 ; 100]
<i>Optical rotation (°) :</i>	[-44 ; 0]
<i>Density at 20°C :</i>	[0.978 ; 0.996]
<i>Endocrine disruptors – health and environment :</i>	No contains endocrine disruptors

COSMETIC REGULAR DATA

<i>Anti-oxydant(s) :</i>	None
<i>Halal status :</i>	Complies with halal requirements
<i>Statut kosher :</i>	In compliance with kosher requirements
<i>Palm oil or palm oil derivatives :</i>	Does not contain palm oil, palm oil derivatives, palm kernel oil or palm kernel oil derivatives.

BORNYL ACETATE (LAEVO)

<i>Animal testing :</i>	This product was not tested on animals.
<i>ISO 9235 :</i>	Not concerned
<i>ISO 16128 :</i>	The Natural Index is : In= 0. The Natural Origin Index is: Ino= 0.83.

REGULAR DATA FLAVOURS

<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>Bovine Spongiform Encephalopathy (BSE) :</i>	Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process
<i>Vegan :</i>	Compliant with vegan principles
<i>Food allergens (Reg. 1169/2011/EC) :</i>	None

TRANSPORT - HANDLING - STORAGE

<i>Precautions of use :</i>	Avoid any direct contact with the product.
<i>Shelf life :</i>	24 months, according to storage conditions
<i>Custom tariff :</i>	2915 39 00
<i>Storage :</i>	Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.

LEGISLATION :

AICS (Australian Invent. Chem. Subs.) : Listed
DSL (Canada) : Listed
COE (Council of Europe) : Not listed
KECI : Not listed
EINECS (EU) : 227-101-4
ENCS (Japan) n° : (4)-626
FDA : Not listed
FEMA : 4080
FLAVIS : 09.848
IECSC (China) : Listed
ISHL (Japan) : Not listed
JECFA n° : 1864
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
TCSI (Taiwan) : Listed
NEPA (China) : CB1352245
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
RIFM - ID N° : 231
TSCA (Toxic Substances Control Act - USA) : Listed
C.A.S : 5655-61-8 76-49-3