

**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**LIGEONAL**

Manufacture PCW

Reference : LIGEONAL

TECHNICAL DATA

<i>IUPAC Name :</i>	3-(4-tert-Butylphenyl)propionaldehyde
<i>I.N.C.I. :</i>	4-tert-Butyldihydrocinnamaldehyde (Not officially an INCI Name but Perfuming Name)
<i>Chemical / REACH name :</i>	4-tert-Butyldihydrocinnamaldehyde; 3-(4-tert-Butylphenyl)propionaldehyde
<i>Molecular formula :</i>	C13 H18 O
<i>Origine géographique :</i>	Spain - Mexico
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Use level max. recom. :</i>	Cosmetic : 0.603%
<i>Process :</i>	No data
<i>CAS number :</i>	18127-01-0
<i>Ionization :</i>	Not submitted to a processing of ionization
<i>GMO (Reg (EC) 1829/2003 & 1830/2003 :</i>	Does not result / does not contain GMO

ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Colour :</i>	Colourless to pale yellow
<i>Odour :</i>	Floral, Fresh, Lily-of-the-valley, Green
<i>Density at 20°C :</i>	[0.958 ; 0.964]
<i>Refractive index @ 20°C :</i>	[1.508 ; 1.512]
<i>Optical rotation (°) :</i>	-
<i>Flash point (°C) (close cup) :</i>	73
<i>Peak #1 (%) :</i>	(main isomer) 91.0% min.
<i>Peak #2 (%) :</i>	[reagents intermediate synthesis phases ; 7.0% max.]
<i>Somme of isomers (by G.C.) (%) :</i>	[97.0 ; 100.0]
<i>Solvant Résiduel : Ethanol :</i>	0.475%
<i>Viscosity :</i>	Viscosity, dynamic : 25,6 mPa.s - Viscosity, kinematic : 9,8 mm ² /s at 20 °C Method: OECD Test Guideline 114
<i>Refractive index at 25°C :</i>	[1.506 ; 1.510]
<i>Densité à 20/4°C :</i>	[0.956 ; 0.962]

LIGEONAL

Relative density @ 25°C : [0.955 ; 0.961]

COSMETIC REGULAR DATA

ISO 16128 : 0% of natural origin
Anti-oxydant(s) : a-Tocopherol 0.05%
Statut kosher : In compliance with kosher requirements
Halal status : In compliance with the religious concepts
Huile de palme ou dérivés : Does not contain palm oil, palm oil derivatives, palm kernel oil or palm kernel oil derivatives.

REGULAR DATA FLAVOURS

Bovine Spongiform Encephalopathy (BSE) : Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process
Vegan : Does not contain ingredient from animal origin

TRANSPORT - HANDLING - STORAGE

Shelf life : 12 months, according to storage conditions
Custom tariff : 2912 29 00 90
Precautions of use : Avoid any direct contact with the product.
Storage : Industrial : Keep under Nitrogen, in ambient temperature (10-30°C). Avoid prolonged exposure to light, humidity and air.

LEGISLATION :

AICS (Australian Invent. Chem. Subs.) : Listed
COE (Council of Europe) : Not listed
KECI : Listed
EINECS (EU) : 242-016-2
ENCS (Japan) n° : 3-2667
EPA N° : Not listed
FDA : Not listed
FEMA : Not listed
JECFA n° : Not listed
DSL (Canada) : Listed
NEPA (China) : CB0243096
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
RIFM - ID N° : 1101
TSCA (Toxic Substances Control Act - USA) : 18127-01-0
C.A.S : 18127-01-0