

**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**LIGEONAL - BOU/1**

Manufacture PCW

Reference : LIGEONAL - BOU/1

1 - 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>Synonyms :</i>	Ligeonal; Bourgeonal; p-tert-Butyldihydrocinnamaldehyde
<i>Molecular formula :</i>	C13 H18 O
<i>Molecular weight :</i>	190.28
<i>Origin raw material :</i>	Synthetic
<i>Anti-oxydant(s) :</i>	α-Tocopherol 0.05%
<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>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	No 132 mg/l @ 20°C

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless 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>Acid Value :</i>	[0 ; 3.00 mgKOH/g]
<i>Melting point (°C) :</i>	-11
<i>Flash point (°C) (close cup) :</i>	73
<i>Boiling point (°C) :</i>	207
<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]

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<i>Impurities >0.01% :</i>	0.013 % max. (lilial)
<i>Ignition temperature :</i>	No data
<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]
<i>Relative density @ 25°C :</i>	[0.955 ; 0.961]

1.5 VLEP

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

2 - COSMETIC REGULAR DATA

<i>Statut kosher :</i>	Certified
<i>Hallal status :</i>	In compliance with the religious concepts
<i>CAS number :</i>	18127-01-0
<i>Allergens SCCNFP List :</i>	See certificate
<i>IFRA :</i>	Restricted (50th Am.)
<i>Reg. 1223/2009 & mod. :</i>	See certificate
<i>VOC Swiss - Annex 1 :</i>	Not listed
<i>LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) :</i>	100%
<i>CMR (Reg. 1223/2009/EEC) :</i>	See certificate

2.1 - REGULAR DATA FLAVOURS

<i>REG. 872/2012 CE Annex 1 :</i>	Not listed
<i>Ionization :</i>	No data
<i>Genetically Modified Organisms (GMO) :</i>	Does not result / does not contain GMO
<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

4 - TRANSPORT - HANDLING - STORAGE

<i>Shelf life :</i>	12 months, according to storage conditions
<i>Tunnel codes ADR :</i>	/
<i>Precautions of use :</i>	Avoid any direct contact with the product.

4.1 - STORAGE

<i>Storage :</i>	Industrial : Keep under Nitrogen, in ambient temperature (10-30°C). Avoid prolonged exposure to light, humidity and air.
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Transport :

<i>Land Transport ADR/RID :</i>	NR Not regulated for transport
<i>Maritime Transport IMDG :</i>	NR Not regulated for transport
<i>Marine pollutant :</i>	
<i>Air Transport IATA :</i>	NR Not regulated for transport

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LEGISLATION :

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

Labeling :



EHC3 Hazardous to the aquatic environment, long-term hazard 3

SCl2 Skin corrosion / irritation 2

SS1 Sensitisation skin 1



STO-RE2 Specific target organ toxicity, repeated exposure 2

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H373 - May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412 - Harmful to aquatic life with long lasting effects.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P501 - Dispose of contents/container according to the local/ regional / national / international Regulation.