

**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**LYSMAL**

Manufacture PCW

Reference : LYSMAL

1 - TECHNICAL DATA

<i>IUPAC Name :</i>	2-(4-tert-Butylbenzyl)propionaldehyde
<i>I.N.C.I. :</i>	Buthylphenyl Methylpropional
<i>Chemical / REACH name :</i>	p-tert-Butyl-alpha-methylhydrocinnamic aldehyde
<i>Synonyms :</i>	Lilial; Lysmal; BMHCA ; Lilestralis
<i>Anti-oxydant(s) :</i>	Not added directly
<i>Molecular formula :</i>	C ₁₄ H ₂₀ O
<i>Molecular weight :</i>	204.31
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>Use level max. recom. :</i>	25%
<i>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	No
<i>End use :</i>	Fragrances / Cosmetic

1.1 - ANALYTICAL DATA

<i>Impurities >0.01% :</i>	meta isomer : 0.1% max.
<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless to slightly yellow
<i>Odour :</i>	Fresh, floral
<i>Relative density @ 25°C :</i>	[0.939 ; 0.949]
<i>Density at 20°C :</i>	[0.943 ; 0.946]
<i>Refractive index @ 20°C :</i>	[1.501 ; 1.509]
<i>Acid Value :</i>	[0 ; 2 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	279.5
<i>Flash point (°C) (close cup) :</i>	>100
<i>Ignition temperature :</i>	242°C
<i>Somme of isomers (by G.C.) (%) :</i>	99.0 %
<i>Peak #1 (%) :</i>	[para-isomer ; 99.0 min.]

LYSMAL

Peak #2 (%) : [meta-isomer ; 0.1 max.]

1.5 VLEP

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

VLEP (8h) mg/m³ (98/24/CE) : No data

2 - COSMETIC REGULAR DATA

Statut kosher : -

Hallal status : -

CAS number : 80-54-6

Allergens SCCNFP List : See certificate

IFRA : Restricted (49th Am.)

VOC Swiss - Annex 1 : Not listed

LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) : 100%

Reg. 1223/2009 & mod. : Listed

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

2.1 - REGULAR DATA FLAVOURS

Natural status (Reg. 1334/2008/EC) : -

Ionization : -

REG. 872/2012 CE Annex 1 : Not listed

Foodgrade certificate : Does not comply with the requirements of Regulations 1334/2008/EC & 872/2012/EC

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 : 24 months, according to storage conditions

Precautions of use : Avoid any direct contact with the product.

Tunnel codes ADR : E

Custom tariff : 2912 29 00 90

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 : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Buthylphenyl Methylpropional), 9, III

Maritime Transport IMDG : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Buthylphenyl Methylpropional), 9, III

Marine pollutant : Yes

Air Transport IATA : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Buthylphenyl Methylpropional), 9, III

LYSMAL

LEGISLATION :

AICS (Australian Invent. Chem. Subs.) : Listed
EINECS (EU) : 201-289-8
DSL (Canada) : Listed
ENCS (Japan) n° : 3-2667
COE (Council of Europe) : Not listed
EPA N° : Not listed
FDA : Not listed
FEMA : Not listed
ISHL (Japan) : Not listed
FLAVIS : Not listed
IECSC (China) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
NEPA (China) : CB2492379
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
ECL (Corée du Sud) n° : KE-11394
JECFA n° : Not listed
TSCA (Toxic Substances Control Act - USA) : 80-54-6
RIFM - ID N° : 188
C.A.S : 80-54-6

Labeling :



Symbol: Xn
R62: Possible risk of impaired fertility.
R38: Irritating to skin.
R43: May cause sensitization by skin contact.
R22: Harmful if swallowed.

Symbol: N
R51-53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S61: Avoid release to the environment. Refer to special instructions / Safety data sheets.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S36/37: Wear suitable protective clothing and gloves.