

**PCW**

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**Technical Data Sheet****MELONAL**

Manufacture PCW

Reference : MELONAL

**1 - TECHNICAL DATA**

<i>IUPAC Name :</i>	2,6-Dimethylhept-5-enal
<i>I.N.C.I. :</i>	Dimethyl heptenal
<i>Chemical / REACH name :</i>	2,6-Dimethyl-5-heptenal
<i>Synonyms :</i>	Melolal ; Melonal ; Melon Touch
<i>Origin raw material :</i>	Synthetic
<i>Origine géographique :</i>	India
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Molecular formula :</i>	C <sub>9</sub> H <sub>16</sub> O
<i>Molecular weight :</i>	140.23
<i>Anti-oxydant(s) :</i>	0.1% α-Tocopherol
<i>Use level max. recom. :</i>	-
<i>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	No
<i>Ref code :</i>	MEL-1

**1.1 - ANALYTICAL DATA**

<i>Appearance :</i>	Liquid
<i>Colour :</i>	Pale yellow to yellow
<i>Odour :</i>	Powerful, green, melon, cucumber like.
<i>Relative density @ 25°C :</i>	[0.845 ; 0.852]
<i>Indice de réfraction à 25°C :</i>	[1.439 ; 1.444]
<i>Acid Value :</i>	[0.0 ; 2.0 mg KOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	181
<i>Flash point (°C) (close cup) :</i>	66
<i>Ignition temperature :</i>	-
<i>Peak #1 (%) :</i>	[(6-Methyl-5-hepten-2-one) : 9% ; 10%]
<i>Peak #2 (%) :</i>	[(2,6-Dimethyl-5-heptenal) : 85% min. ; 100%]

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Somme of isomers (by G.C.) (%) [95.0 ; 100.0]  
:

Purity (%) : [85.0 ; 100.0]

Refractive index @ 20°C : [1.441 ; 1.447]

Densité à 20/4°C : [0.849 ; 0.856]

## **1.2 - ANALYTICAL DATA SPECIFIC**

Arsenic (As) : < 1.1 ppm

Zinc (Zn) : < 50 ppm

Cadmium (Cd) : < 1.5 ppm

Lead (Pb) : < 2.5 ppm

Methylmercury : < 0.25 ppm

Copper (Cu) : < 30 ppm

## **1.5 VLEP**

VLEP short term mg/m<sup>3</sup> (98/24/CE) : No data

VLEP (8h) mg/m<sup>3</sup> (98/24/CE) : No data

## **2 - COSMETIC REGULAR DATA**

Statut kosher : Certificate by request

Halal status : Certificate by request

CAS number : 106-72-9

Allergens SCCNFP List : Certificate by request

IFRA : No restrictions (51st Am.)

Reg. 1223/2009 & mod. : Complies with the latest amendments and adaptations to the Regulation on cosmetic products (EC) 1223/2009 - See certificate.

VOC Swiss - Annex 1 : Not listed

Low VOC (CARB) : 100%

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

Animal testing : In accordance with Article 18 of the Cosmetic Regulation (EC) No 1223/2009

Nanomaterials : Does not contain nanomaterials as defined in Regulation (EC) 1223/2009 and Recommendation 2011/696/UE

## **2.1 - REGULAR DATA FLAVOURS**

Natural status (Reg. 1334/2008/EC) : Flavouring substances

REG. 872/2012 CE Annex 1 : Listed

Foodgrade certificate : In compliance with Regulation (EC) 1334/2008

Food allergens (Reg. 1169/2011/EC) : Certificate by request

GMO (Reg (EC) 1829/2003 & 1830/2003) : Does not contain/consist of and/or is not derived from/produced with the help of genetically modified organisms or derivative ingredients.

Ionization : Not submitted to a processing of ionization

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 : Yes

## **4 - TRANSPORT - HANDLING - STORAGE**

Shelf life : 24 months, according to storage conditions

Custom tariff : 2912 19 00 00

Tunnel codes ADR : /

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

## **4.1 - STORAGE**

*Storage :* Keep under Nitrogen, at cool temperature (max 18°C). Avoid prolonged exposure to light, humidity and air.

## **Transport :**

*Land Transport ADR/RID :* NR Not regulated for transport

*Maritime Transport IMDG :* NR Not regulated for transport

*Marine pollutant :*

*Air Transport IATA :* NR Not regulated for transport

## **LEGISLATION :**

TSCA (Toxic Substances Control Act - USA) : Listed  
Swiss Giftliste 1 : Not listed  
RIFM - ID N° : 504  
PICCS (Philippines) : Listed  
NZIoC (New Zealand) : Listed  
NEPA (China) : CB3434408  
TCSI (Taiwan) : Listed  
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed  
JECFA n° : 349  
ISHL (Japan) : 2-(8)-726  
IECSC (China) : Listed  
FLAVIS : 05.074  
FEMA : 2389  
FDA : 172.515  
ENCS (Japan) n° : 2-4210  
EINECS (EU) : 203-427-2  
KECI : 2011-3-5002  
COE (Council of Europe) : 2006c  
DSL (Canada) : Listed  
AICS (Australian Invent. Chem. Subs.) : Listed  
C.A.S : 106-72-9 77787-60-1

## **Labeling :**



SS1 Sensitisation skin 1

H317 - May cause an allergic skin reaction.

P261 - Avoid breathing 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.

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

P363 - Wash contaminated clothing before reuse.

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