

**PCW**

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**Technical Data Sheet****ALLYL IONONE**

Manufacture PCW

Reference : ALLYL IONONE

**1 - TECHNICAL DATA**

<i>I.N.C.I. :</i>	Allyl alpha-ionone
<i>IUPAC Name :</i>	1-(2,6,6-Trimethyl-2-cyclohexenyl)hepta-1,6-dien-3-one; cetone V; hexalon
<i>Chemical / REACH name :</i>	1-(2,6,6-trimethyl-2-cyclohexen-1-yl)hepta-1,6-dien-3-one
<i>Synonyms :</i>	cetone V ; tropical ionone
<i>Molecular formula :</i>	C16 H24 O
<i>Molecular weight :</i>	232.37
<i>Origin raw material :</i>	Synthetic
<i>Origine géographique :</i>	-
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Use level max. recom. :</i>	-
<i>Anti-oxydant(s) :</i>	0.2% Tocopherol
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes

**1.1 - ANALYTICAL DATA**

<i>Appearance :</i>	Liquid
<i>Color :</i>	Pale yellow
<i>Odour :</i>	Conform to the commercial description.
<i>Densité à 20/4°C :</i>	[0.927 ; 0.935]
<i>Refractive index @ 20°C :</i>	[1.503 ; 1.507]
<i>Acid Value :</i>	-
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	-
<i>Flash point (°C) (close cup) :</i>	94
<i>Ignition temperature :</i>	-
<i>Somme of isomers (by G.C.) (%) :</i>	90%
<i>Impurities &gt;0.01% :</i>	-
<i>Peak #1 (%) :</i>	[Hexalon, alpha ; 72-85%]

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Peak #2 (%) :	[hexalon, beta ; 10-16%]
Relative density @ 25°C :	[0.926 ; 0.934]
Density at 20°C :	[0.929 ; 0.937]

## **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**

VOC Swiss - Annex 1 :	Not listed
LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) :	100%
Reg. 1223/2009 & mod. :	See certificate
Allergens SCCNFP List :	See certificate
IFRA :	No restrictions (49th Am.)
CMR (Reg. 1223/2009/EEC) :	See certificate
Statut kosher :	-
Halal status :	-
CAS number :	79-78-7

## **2.1 - REGULAR DATA FLAVOURS**

Ionization :	-
Natural status (Reg. 1334/2008/EC) :	Flavouring substance
REG. 872/2012 CE Annex 1 :	Listed
Foodgrade certificate :	Complies 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**

Custom tariff :	2914 23 00 00
Tunnel codes ADR :	/
Shelf life :	24 months, according to storage conditions
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.
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### **Transport :**

Land Transport ADR/RID :	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Reaction mass of 1-(2,6,6-trimethylcyclohex-2-en-1-yl)hepta-1,6-dien-3-one and 1-(2,6,6-trimethylcyclohex-1-en-1-yl)hepta-1,6-dien-3-one), 9, III
Maritime Transport IMDG :	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Reaction mass of 1-(2,6,6-trimethylcyclohex-2-en-1-yl)hepta-1,6-dien-3-one and 1-(2,6,6-trimethylcyclohex-1-en-1-yl)hepta-1,6-dien-3-one), 9, III
Marine pollutant :	Yes
Air Transport IATA :	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Reaction mass of 1-(2,6,6-trimethylcyclohex-2-en-1-yl)hepta-1,6-dien-3-one and 1-(2,6,6-trimethylcyclohex-1-en-1-yl)hepta-1,6-dien-3-one), 9, III

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## **LEGISLATION :**

COE (Council of Europe) : 2040  
KECI : KE-34483  
TCSI (Taiwan) : Listed  
EINECS (EU) : 201-225-9  
ENCS (Japan) n° : Not listed  
FDA : 172.515  
FEMA : 2033  
FLAVIS : 07.061  
IECSC (China) : Listed  
ISHL (Japan) : Not listed  
JECFA n° : 401  
DSL (Canada) : Listed  
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed  
NEPA (China) : CB1463486  
NZIoC (New Zealand) : Listed  
PICCS (Philippines) : Listed  
RIFM - ID N° : 240  
TSCA (Toxic Substances Control Act - USA) : Listed  
C.A.S : 79-78-7

## **Labeling :**



EHC2 Hazardous to the aquatic environment, long-term hazard 2  
SS1 Sensitisation skin 1



H317 - May cause an allergic skin reaction.  
H411 - Toxic to aquatic life with long lasting effects.

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.