

**PCW**

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Technical Data Sheet**IRONE ALPHA**

Manufacture PCW

Reference : IRONE ALPHA

1 - TECHNICAL DATA

<i>Ref code :</i>	IAL-1
<i>I.N.C.I. :</i>	5-methyl-alpha-ionone
<i>IUPAC Name :</i>	Cis-4-(2,5,6,6-Tetramethylcyclohex-2-enyl)but-3-en-2-one; 6-Methylionone; 6-Methyl-alpha-ionone; cis-(2,6)-cis-(2(1),2(2))-alpha-Irone; alpha-Irone
<i>Chemical / REACH name :</i>	4-(2,5,6,6-tetramethyl-2-cyclohexen-1-yl)-3-buten-2-one
<i>Synonyms :</i>	Irone alpha
<i>Molecular formula :</i>	C ₁₄ H ₂₂ O
<i>Molecular weight :</i>	206,3
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Use level max. recom. :</i>	-
<i>Anti-oxydant(s) :</i>	None
<i>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	110 mg/l

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Pale yellow to pale amber
<i>Odour :</i>	Floral, Woody, Powdery, Light
<i>Density 20/20°C :</i>	[0.933 ; 0.939]
<i>Densité à 20/4°C :</i>	[0,931 ; 0,937]
<i>Relative density @ 25°C :</i>	[0.930 ; 0.936]
<i>Refractive index @ 20°C :</i>	[1.499 ; 1.503]
<i>Indice de réfraction à 25°C :</i>	[1.497 ; 1.501]
<i>Acid Value :</i>	-
<i>Melting point (°C) :</i>	< -50
<i>Flash point (°C) (close cup) :</i>	127
<i>Boiling point (°C) :</i>	290
<i>Ignition temperature :</i>	-

IRONE ALPHA

Somme of isomers (by G.C.) (%) 97
:

Peak #1 (%) : [45.0 ; 60.0]

Peak #2 (%) : [38.0 ; 48.0]

Peak #3 (%) : [0.0 ; 7.0]

Impurities >0.01% : -

Peak #4 (%) : [0.0 ; 3.0]

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 : In compliance with the religious concepts

Halal status : In compliance with the religious concepts

CAS number : 79-69-6

Allergens SCCNFP List : See certificate

IFRA : No restrictions (50th Am.)

VOC Swiss - Annex 1 : Not listed

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

Reg. 1223/2009 & mod. : See certificate

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

2.1 - REGULAR DATA FLAVOURS

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

REG. 872/2012 CE Annex 1 : Listed

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

Ionization : -

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

Custom tariff : 2914 23 00 00

Tunnel codes ADR : E

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

4.1 - STORAGE

Storage : Store at 25°C max. 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.(4-(2,5,6,6-tétraméthylcyclohex-2-ényl)but-3-ène-2-one), 9, III

Maritime Transport IMDG : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(4-(2,5,6,6-tétraméthylcyclohex-2-ényl)but-3-ène-2-one), 9, III

Marine pollutant : Yes

Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(4-(2,5,6,6-tétraméthylcyclohex-2-ényl)but-3-ène-2-one), 9, III

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LEGISLATION :

AICS (Australian Invent. Chem. Subs.) : Listed
COE (Council of Europe) : 145
KECI : Low Volume Exemption
EINECS (EU) : 201-219-6
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
TCSI (Taiwan) : Listed
ENCS (Japan) n° :
FDA : 172.515
FEMA : 2597
FLAVIS : 07.011
IECSC (China) : Listed
ISHL (Japan) : Low Volume Exemption
JECFA n° : 403
DSL (Canada) : Listed
NEPA (China) : CB9184594
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
RIFM - ID N° : 336
C.A.S : 79-69-6

Labeling :



EHC2 Hazardous to the aquatic environment, long-term hazard 2

H411 - Toxic to aquatic life with long lasting effects.

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