

**PCW**

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Technical Data Sheet**IONONE BETA**

Manufacture PCW

Reference : IONONE BETA

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Beta-ionone
<i>IUPAC Name :</i>	4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one ; 1-(2,6,6-Trimethylcyclohex-1-eneyl)-but-1-ene-3-one
<i>Chemical / REACH name :</i>	4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one
<i>Synonyms :</i>	Trans-beta-ionone
<i>Molecular formula :</i>	C ₁₃ H ₂₀ O
<i>Molecular weight :</i>	192.30
<i>Origin raw material :</i>	Synthetic
<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>	None
<i>Water solubility :</i>	0.169 g/L @ 25°C
<i>Solubility in alcohol (°) :</i>	Yes
<i>Ref code :</i>	IOB-1

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Yellowish
<i>Odour :</i>	Violet, woody
<i>Relative density @ 25°C :</i>	[0.940 ; 0.947]
<i>Refractive index @ 20°C :</i>	[1.517 ; 1.522]
<i>Acid Value :</i>	-
<i>Melting point (°C) :</i>	<25
<i>Boiling point (°C) :</i>	266
<i>Flash point (°C) (close cup) :</i>	93.33
<i>Ignition temperature :</i>	285
<i>Purity (%) :</i>	[97.0 ; 100.0]
<i>Impurities >0.01% :</i>	-
<i>Peak #1 (%) :</i>	[a-ionone : 0.0 ; 1.0]

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Peak #2 (%) : [g-ionone : 0.0 ; 2.0]
Peroxides value : =<10 meq/kg
Viscosity : 12 mPa.s @ 20°C

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 : Restricted (50th Am.)
CMR (Reg. 1223/2009/EEC) : See certificate
Statut kosher : Certified
Halal status : In compliance with the religious concepts
CAS number : 79-77-6

2.1 - REGULAR DATA FLAVOURS

Ionization : -
Natural status (Reg. 1334/2008/EC) : Flavouring substance
REG. 872/2012 CE Annex 1 : Listed
Foodgrade certificate : Certified
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 : E
Shelf life : 12 months, according to storage conditions
Precautions of use : -

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.(Beta Ionone), 9, III
Maritime Transport IMDG : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Beta Ionone), 9, III
Marine pollutant :
Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Beta Ionone), 9, III

IONONE BETA

LEGISLATION :

ENCS (Japan) n° : (3)-2387
NEPA (China) : CB8456519
KECI : KE-34475
DSL (Canada) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
TCSI (Taiwan) : Listed
ISHL (Japan) : 2-(5)-170
TSCA (Toxic Substances Control Act - USA) : Listed
IECSC (China) : Listed
RIFM - ID N° : 6067
FEMA : 2595
JECFA n° : 389
COE (Council of Europe) : 142
FLAVIS : 07.008
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
EINECS (EU) : 201-224-3
C.A.S : 79-77-6 14901-07-6

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.