

**PCW**

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Technical Data Sheet**METHYLIONONE GAMMA**

Manufacture PCW

Reference : METHYLIONONE GAMMA

1 - TECHNICAL DATA

<i>Ref code :</i>	MI-1
<i>I.N.C.I. :</i>	Alpha-Isomethyl ionone
<i>IUPAC Name :</i>	(E)-3-methyl-4-(2,6,6-trimethyl-1-cyclohex-2-enyl)but-3-en-2-one
<i>Chemical / REACH name :</i>	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-Buten-2-one
<i>Synonyms :</i>	Methyl ionone gamma coeur ; Methyl ionone pure gamma ; Isoraldeine® cetone alpha
<i>Molecular formula :</i>	C ₁₄ H ₂₂ O
<i>Molecular weight :</i>	206.32
<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>	No
<i>Solubility in alcohol (°) :</i>	Yes

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless to yellowish
<i>Odour :</i>	Violet, floral, woody
<i>Density 20/20°C :</i>	[0.929 ; 0.935]
<i>Relative density @ 25°C :</i>	[0.925 ; 0.934]
<i>Refractive index @ 20°C :</i>	[1.498 ; 1.503]
<i>Acid Value :</i>	-
<i>Melting point (°C) :</i>	< -20
<i>Boiling point (°C) :</i>	238
<i>Flash point (°C) (close cup) :</i>	126
<i>Ignition temperature :</i>	-
<i>Somme of isomers (by G.C.) (%) :</i>	[92.0 ; 100.0]
<i>Purity (%) :</i>	[55.0 ; 70.0]

METHYLIONONE GAMMA

<i>Impurities >0.01% :</i>	Citral : <0.1% Pseudoionone : <1.0%
<i>Peak #1 (%) :</i>	[b-isomethyl ionone : 0 ; 5.0]
<i>Peak #2 (%) :</i>	[a-methyl ionone : 15.0 ; 30.0]
<i>Peak #3 (%) :</i>	[b-methyl ionone : 0 ; 10.0]
<i>Residual solvent(s) :</i>	In compliance with the european legislation about extractive solvents (2009/32/EC)

1.2 - ANALYTICAL DATA SPECIFIC

<i>Arsenic (As) :</i>	<1 mg/kg
<i>Cadmium (Cd) :</i>	<0.5 mg/kg
<i>Lead (Pb) :</i>	<2 mg/kg
<i>Pesticides résiduels :</i>	In compliance with the European Regulation 396/2005 and its Amendments, concerning Pesticides
<i>Mercury (Hg) :</i>	<0.1 mg/kg

1.5 VLEP

<i>VLEP short term mg/m3 (98/24/CE) :</i>	No data
<i>VLEP (8h) mg/m3 (98/24/CE) :</i>	No data

2 - COSMETIC REGULAR DATA

<i>VOC Swiss - Annex 1 :</i>	Not listed
<i>LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) :</i>	100%
<i>Reg. 1223/2009 & mod. :</i>	See certificate
<i>Allergens SCCNFP List :</i>	See certificate
<i>IFRA :</i>	Restricted (50th Am.)
<i>CMR (Reg. 1223/2009/EEC) :</i>	See certificate
<i>Statut kosher :</i>	Certified
<i>Halal status :</i>	-
<i>CAS number :</i>	127-51-5
<i>Nanoparticle :</i>	Not concerned

2.1 - REGULAR DATA FLAVOURS

<i>Ionization :</i>	Not submitted to a processing of ionization
<i>Natural status (Reg. 1334/2008/EC) :</i>	Flavouring substance
<i>REG. 872/2012 CE Annex 1 :</i>	Listed
<i>Foodgrade certificate :</i>	complies with the requirements of Regulations 1334/2008/EC & 872/2012/EC
<i>Genetically Modified Organisms (GMO) :</i>	Does not result / does not contain GMO
<i>Bovine Spongiform Encephalopathy (BSE) :</i>	Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process
<i>Vegan :</i>	Yes

4 - TRANSPORT - HANDLING - STORAGE

<i>Custom tariff :</i>	2914 23 00 00
<i>Tunnel codes ADR :</i>	E
<i>Shelf life :</i>	12 months, according to storage conditions
<i>Precautions of use :</i>	Avoid any direct contact with the product.

4.1 - STORAGE

METHYLIONONE GAMMA

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.(gamma methyl ionone), 9, III

Maritime Transport IMDG : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(gamma methyl ionone), 9, III

Marine pollutant : No

Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(gamma methyl ionone), 9, III

LEGISLATION :

NDSL/LES (Canada - Non-domestic Substances List) : Not Listed

TSCA (Toxic Substances Control Act - USA) : Listed

JECFA n° : 404

FLAVIS : 07.036

DSL (Canada) : Listed

TCSI (Taiwan) : Not listed

IECSC (China) : Listed

NEPA (China) : CB5183650

RIFM - ID N° : 6273

FDA : 172.5156

KECI : KE-25391

ISHL (Japan) : Not listed

ENCS (Japan) n° : Not listed

PICCS (Philippines) : Listed

NZIoC (New Zealand) : Listed

EINECS (EU) : 204-846-3

COE (Council of Europe) : 169

FEMA : 2714

AICS (Australian Invent. Chem. Subs.) : Listed

C.A.S : 1335-46-2 127-51-5

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.