

**PCW**

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Technical Data Sheet**MUSK KETONE**

Manufacture PCW

Reference : MUSK KETONE

1 - TECHNICAL DATA

<i>Ref code :</i>	MC-1
<i>I.N.C.I. :</i>	Musk ketone
<i>IUPAC Name :</i>	4'-tert-butyl-2',6'-dimethyl-3',5'-dinitroacetophenone
<i>Chemical / REACH name :</i>	4'-tert-butyl-2',6'-dimethyl-3',5'-dinitroacetophenone
<i>Synonyms :</i>	-
<i>Molecular formula :</i>	C ₁₄ H ₁₈ N ₂ O ₅
<i>Molecular weight :</i>	294
<i>Origin raw material :</i>	Synthetic
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Anti-oxydant(s) :</i>	None
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Slightly soluble

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Crystalline powder
<i>Color :</i>	Pale yellow
<i>Odour :</i>	Sweet, persistent, musky
<i>Density at 20°C :</i>	-
<i>Refractive index @ 20°C :</i>	-
<i>Acid Value :</i>	-
<i>Flash point (°C) (close cup) :</i>	101
<i>Boiling point (°C) :</i>	-
<i>Melting point (°C) :</i>	[137 ; 137]
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[99.0 ; 100.0]
<i>Impurities >0.01% :</i>	Musc xylene <0.1%

1.2 - ANALYTICAL DATA SPECIFIC

<i>Cadmium (Cd) :</i>	< 1 ppm
<i>Mercury (Hg) :</i>	< 1 ppm

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<i>Arsenic (As) :</i>	< 3 ppm
<i>Lead (Pb) :</i>	< 10 ppm

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>IFRA :</i>	See certificate - Raw material not regulated as such but contains indirect substances included within the IFRA Standards (50th Am.).
<i>Reg. 1223/2009 & mod. :</i>	See certificate
<i>Allergens SCCNFP List :</i>	See certificate
<i>CMR (Reg. 1223/2009/EEC) :</i>	See certificate
<i>Halal status :</i>	In compliance with the religious concepts
<i>Statut kosher :</i>	Certified
<i>CAS number :</i>	81-14-1
<i>Animal testing :</i>	This product was not tested on animals.
<i>Nanoparticle :</i>	Not concerned
<i>ISO 9235 :</i>	-
<i>ISO 16128 :</i>	The Natural Index is : In= 0. The Natural Origin Index is: Ino= 0. The Organic Index is: Io= 0. The Organic Origin Index is: Ioo= 0.

2.1 - REGULAR DATA FLAVOURS

<i>REG. 872/2012 CE Annex 1 :</i>	Not listed
<i>Natural status (Reg. 1334/2008/EC) :</i>	-
<i>Foodgrade certificate :</i>	-
<i>Ionization :</i>	-
<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
<i>Food allergens (Reg. 1169/2011/EC) :</i>	-

4 - TRANSPORT - HANDLING - STORAGE

<i>Tunnel codes ADR :</i>	E
<i>Precautions of use :</i>	Avoid any direct contact with the product.
<i>Shelf life :</i>	24 months, according to storage conditions
<i>Custom tariff :</i>	2914 79 00 60

4.1 - STORAGE

<i>Storage :</i>	Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.
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Transport :

<i>Land Transport ADR/RID :</i>	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Musk ketone), 9, III
<i>Maritime Transport IMDG :</i>	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Musk ketone), 9, III

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Marine pollutant :

Air Transport IATA : 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Musk ketone), 9, III

LEGISLATION :

RIFM - ID N° : 142

NEPA (China) : CB5458527

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

EINECS (EU) : 201-328-9

ENCS (Japan) n° : 3-1257 ; 4-247 ; 9-2078

IECSC (China) : Listed

KECI : KE-11376

DSL (Canada) : Listed

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

NZIoC (New Zealand) : Listed

PICCS (Philippines) : Listed

TCSI (Taiwan) : Listed

TSCA (Toxic Substances Control Act - USA) : Listed

C.A.S : 81-14-1

Labeling :



CAR2 Carcinogenicity 2

EHA1 Hazardous to the aquatic environment, acute hazard 1

EHC1 Hazardous to the aquatic environment, long-term hazard 1



H351 - Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410 - Very toxic to aquatic life with long lasting effects.

P281 - Use personal protective equipment as required.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

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