

**PCW**

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**Technical Data Sheet****MUSK C14**

Manufacture PCW

Reference : MUSK C14

**1 - TECHNICAL DATA**

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| <i>I.N.C.I. :</i>                       | Ethylene dodecanedioate                     |
| <i>IUPAC Name :</i>                     | 1,4-Dioxacyclohexadecane-5,16-Dione         |
| <i>Chemical / REACH name :</i>          | 2,5-dioxacyclohexadecane-1,6-dione          |
| <i>Synonyms :</i>                       | Zenolide ; Musk C-14 ; Musk 144 ; Muskonate |
| <i>Molecular formula :</i>              | C14 H24 O4                                  |
| <i>Molecular weight :</i>               | 256.4                                       |
| <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>                | Not added directly                          |
| <i>Water solubility :</i>               | No                                          |
| <i>Solubility in alcohol (°) :</i>      | 75%                                         |

**1.1 - ANALYTICAL DATA**

|                                       |                          |
|---------------------------------------|--------------------------|
| <i>Appearance :</i>                   | Liquid                   |
| <i>Color :</i>                        | Colorless to pale yellow |
| <i>Odour :</i>                        | Animal, Musky            |
| <i>Density at 20°C :</i>              | [1.049 ; 1.063]          |
| <i>Refractive index @ 20°C :</i>      | [1.465 ; 1.473]          |
| <i>Acid Value :</i>                   | < 1.0 mgKOH/g            |
| <i>Melting point (°C) :</i>           | 16.72                    |
| <i>Boiling point (°C) :</i>           | 337.3                    |
| <i>Flash point (°C) (close cup) :</i> | 166                      |
| <i>Ignition temperature :</i>         | 385                      |
| <i>Purity (%) :</i>                   | > 98.0%                  |
| <i>Impurities &gt;0.01% :</i>         | -                        |
| <i>Viscosity :</i>                    | 0.097 mPa.s @ 20°C       |

**1.5 VLEP**

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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 : Non listé

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 : -

Hallal status : Certified

CAS number : 54982-83-1

Nanoparticle : No

## **2.1 - REGULAR DATA FLAVOURS**

Ionization : No

Natural status (Reg. 1334/2008/EC) : -

REG. 872/2012 CE Annex 1 : -

Foodgrade certificate : Not 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 : 2932 20 90 90

Tunnel codes ADR : E

Shelf life : 24 months, according to storage conditions

Precautions of use : No data

## **4.1 - STORAGE**

Storage : Store in cool place (10°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.,(Ethylene dodecanedioate), 9, III

Maritime Transport IMDG : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Ethylene dodecanedioate), 9, III

Marine pollutant : Yes

Air Transport IATA : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Ethylene dodecanedioate), 9, III

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## **LEGISLATION :**

FEMA : Not listed  
FDA : Not listed  
FLAVIS : Not listed  
NEPA (China) : CB0452373  
ECSI (Taiwan) : Listed  
ECL (Corée du Sud) n° : KE 2009-3-4172  
IECSC (China) : Listed  
PICCS (Philippines) : Listed  
TSCA (Toxic Substances Control Act - USA) : Listed  
AICS (Australian Invent. Chem. Subs.) : Listed  
ENCS (Japan) n° : Listed  
DSL (Canada) : Listed  
EINECS (EU) : 259-423-6  
COE (Council of Europe) : Not listed  
NZIoC (New Zealand) : Listed  
RIFM - ID N° : 7  
C.A.S : 54982-83-1

## **Labeling :**



EHA1 Hazardous to the aquatic environment, acute hazard 1  
EHC3 Hazardous to the aquatic environment, long-term hazard 3

H400 - Very toxic to aquatic life.

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