

**PCW**

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**Technical Data Sheet****RHUBOFIX**

Manufacture PCW

Reference : RHUBOFIX

**1 - TECHNICAL DATA**

<i>I.N.C.I. :</i>	Hexahydro-dimethylspiromethanonaphthalene-oxirane
<i>IUPAC Name :</i>	3,4,4a,5,8,8a-Hexahydro-3',7'-dimethylspiro(1,4-methanonaphthalene-2(1H),2'-oxirane)
<i>Chemical / REACH name :</i>	3,4,4a,5,8,8a-hexahydro-3',7'-dimethylspiro[1,4-methanonaphthalene-2(1H),2'-oxirane]
<i>Synonyms :</i>	Rhubofix ; Rhubarb oxirane ; Rubofin
<i>Molecular formula :</i>	C14 H20 O
<i>Molecular weight :</i>	204
<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>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes

**1.1 - ANALYTICAL DATA**

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless
<i>Odour :</i>	Woody, Spicy, Floral, Fruity
<i>Density 20/20°C :</i>	[1.026 ; 1.036]
<i>Refractive index @ 20°C :</i>	[1.502 ; 1.508]
<i>Acid Value :</i>	[0 ; 1.0 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	-
<i>Flash point (°C) (close cup) :</i>	> 100
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[70.0 ; 100.0]
<i>Impurities &gt;0.01% :</i>	-
<i>Refractive index at 25°C :</i>	[1.023 ; 1.033]
<i>Relative density @ 25°C :</i>	[1.500 ; 1.506]

**1.5 VLEP**

# RHUBOFIX

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 : Certified

CAS number : 41816-03-9

## **2.1 - REGULAR DATA FLAVOURS**

Ionization : -

REG. 872/2012 CE Annex 1 : Not listed

Genetically Modified Organisms (GMO) : -

Bovine Spongiform Encephalopathy (BSE) : -

## **4 - TRANSPORT - HANDLING - STORAGE**

Custom tariff : 2914 29 00 90

Tunnel codes ADR : E

Shelf life : 12 months, according to storage conditions

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.(spiro[1,4-methanonaphthalene-2(1h),2'-oxirane],3,4,4a,5,8,8a-hexahydro-3',7-dimethyl-), 9, III

Maritime Transport IMDG : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(spiro[1,4-methanonaphthalene-2(1h),2'-oxirane],3,4,4a,5,8,8a-hexahydro-3',7-dimethyl-), III

Marine pollutant : Yes

Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(spiro[1,4-methanonaphthalene-2(1h),2'-oxirane],3,4,4a,5,8,8a-hexahydro-3',7-dimethyl-), III

# RHUBOFIX

## **LEGISLATION :**

TSCA (Toxic Substances Control Act - USA) : Listed  
RIFM - ID N° : 1275  
PICCS (Philippines) : Listed  
NZIoC (New Zealand) : Listed  
NEPA (China) : CB1875313  
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed  
DSL (Canada) : Listed  
JECFA n° : Not listed  
ISHL (Japan) : Not listed  
IECSC (China) : Listed  
FLAVIS : Not listed  
FEMA : Not listed  
FDA : Not listed  
ENCS (Japan) n° : Not listed  
EINECS (EU) : 255-560-0  
TCSI (Taiwan) : Listed  
KECI : Not listed  
COE (Council of Europe) : Not listed  
AICS (Australian Invent. Chem. Subs.) : Listed  
C.A.S : 41816-03-9