

**PCW**

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**Technical Data Sheet****SPIRAMBRENE**

Manufacture PCW

Reference : SPIRAMBRENE

**1 - TECHNICAL DATA**

|                                         |                                                                                                                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>I.N.C.I. :</i>                       | Pentamethyl-spirobicycloheptane-dioxane                                                                                                                          |
| <i>IUPAC Name :</i>                     | (1alpha,3alpha,6alpha)-2',3',7',7'-Pentamethyl-spiro[bicyclo[4.1.0]heptane-2,5'-[1,3]dioxane]                                                                    |
| <i>Chemical / REACH name :</i>          | A mixture of: (1'-a,3'-a,6'-a-2,2,3',7',7'-pentamethylspiro(1,3-dioxane-5,2'-norcarane); (1'a,3'b,6'a)-2,2,3',7',7'-pentamethylspiro(1,3-dioxane-5,2'-norcarane) |
| <i>Synonyms :</i>                       | Spirambrene                                                                                                                                                      |
| <i>Molecular formula :</i>              | C30 H52 O4                                                                                                                                                       |
| <i>Molecular weight :</i>               | 238,40                                                                                                                                                           |
| <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>                | 0.05% BHT                                                                                                                                                        |
| <i>Water solubility :</i>               | No                                                                                                                                                               |
| <i>Solubility in alcohol (°) :</i>      | Yes                                                                                                                                                              |

**1.1 - ANALYTICAL DATA**

|                                       |                             |
|---------------------------------------|-----------------------------|
| <i>Appearance :</i>                   | Liquid                      |
| <i>Color :</i>                        | Colorless to pale yellow    |
| <i>Odour :</i>                        | Woody, amber, dried, bitter |
| <i>Density at 20°C :</i>              | [0.987 ; 0.992]             |
| <i>Densité à 20/4°C :</i>             | [0.985 ; 0.990]             |
| <i>Density @ 25°C :</i>               | [0.984 ; 0.989]             |
| <i>Refractive index @ 20°C :</i>      | [1.476 ; 1.481]             |
| <i>Refractive index at 25°C :</i>     | [1.474 ; 1.479]             |
| <i>Acid Value :</i>                   | -                           |
| <i>Melting point (°C) :</i>           | <-50.0                      |
| <i>Boiling point (°C) :</i>           | 252                         |
| <i>Flash point (°C) (close cup) :</i> | 130                         |
| <i>Ignition temperature :</i>         | -                           |
| <i>Impurities &gt;0.01% :</i>         | -                           |

# SPIRAMBRENE

Peak #1 (%) : [62.0 ; 72.0]

Peak #2 (%) : [25.0 ; 35.0]

Somme of isomers (by G.C.) (%) : 95.1

## **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 : See certificate - Raw material not regulated as such but contains indirect substances included within the IFRA Standards (49th Am.).

CMR (Reg. 1223/2009/EEC) : See certificate

Statut kosher : -

Hallal status : -

CAS number : 121251-67-0 ; 121251-68-1

Nanoparticle : Not concerned

## **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 : 2932 99 00 90

Tunnel codes ADR : E

Shelf life : 24 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.,(Pentamethylspiro(1,3-dioxane-5-2'-norcarane),2,6-di-tertbutylcresol), 9, III

Maritime Transport IMDG : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Pentamethylspiro(1,3-dioxane-5-2'-norcarane),2,6-di-tertbutylcresol), 9, III

Marine pollutant : Yes

Air Transport IATA : 3082 Environmentally hazardous substance, liquid, n.o.s.,(Pentamethylspiro(1,3-dioxane-5-2'-norcarane),2,6-di-tertbutylcresol), 9, III

# SPIRAMBRENE

## **LEGISLATION :**

EINECS (EU) : 416-930-9  
DSL (Canada) : Listed  
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed  
FEMA : Not listed  
JECFA n° : Not listed  
COE (Council of Europe) : Not listed  
RIFM - ID N° : Not listed  
IECSC (China) : Listed  
TSCA (Toxic Substances Control Act - USA) : Listed  
NZIoC (New Zealand) : Listed  
PICCS (Philippines) : Listed  
AICS (Australian Invent. Chem. Subs.) : Listed  
ECL (Corée du Sud) n° : Not listed  
FDA : Not listed  
FLAVIS : Not listed  
ECSI (Taiwan) : Listed  
ENCS (Japan) n° : Not listed  
NEPA (China) : CB91215534  
ISHL (Japan) : Not listed  
C.A.S : 121251-67-0 121251-68-1

## **Labeling :**



EHC2 Hazardous to the aquatic environment, long-term hazard 2  
SCI2 Skin corrosion / irritation 2



H315 - Causes skin irritation.  
H411 - Toxic to aquatic life with long lasting effects.

P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing