

**PCW**

45 Boulevard Marcel PAGNOL

06130 GRASSE - FRANCE

Tel : +33 (0)4 92 42 35 00 Fax: +33 (0)4 92 42 35 19

Site : www.pcwfrance.com Mail : info@pcwfrance.com

**Technical Data Sheet****CEDRYL ACETATE**

Manufacture PCW

Reference : CEDRYL ACETATE

**1 - TECHNICAL DATA**

|                                         |                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <i>Ref code :</i>                       | ACETC-1                                                                                                     |
| <i>I.N.C.I. :</i>                       | Cedryl acetate                                                                                              |
| <i>IUPAC Name :</i>                     | (3R-(3alpha,3abeta,6alpha,7beta,8aalpha))-Octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazule n-5-yl Acetate |
| <i>Chemical / REACH name :</i>          | (3R-(3alpha,3abeta,6alpha,7beta,8aalpha))-Octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazule n-5-yl Acetate |
| <i>Synonyms :</i>                       | acetic acid cedrol ester ; cedranyl acetate ; cedran-8-yl acetate                                           |
| <i>Molecular formula :</i>              | C <sub>17</sub> H <sub>28</sub> O <sub>2</sub>                                                              |
| <i>Molecular weight :</i>               | 264,41                                                                                                      |
| <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>                          | Pale yellow to green  |
| <i>Odour :</i>                          | Woody, cedar, vetiver |
| <i>Density at 20°C :</i>                | [0.986 ; 1.016]       |
| <i>Relative density @ 25°C :</i>        | [0.990 ; 1.004]       |
| <i>Refractive index @ 20°C :</i>        | [1.491 ; 1.503]       |
| <i>Acid Value :</i>                     | [0 ; 3 mgKOH/g]       |
| <i>Melting point (°C) :</i>             | 40.0-42.0 (litt)      |
| <i>Boiling point (°C) :</i>             | 200.0-203.0 (litt)    |
| <i>Flash point (°C) (close cup) :</i>   | 101                   |
| <i>Ignition temperature :</i>           | -                     |
| <i>Somme of isomers (by G.C.) (%) :</i> | -                     |

# CEDRYL ACETATE

|                               |                        |
|-------------------------------|------------------------|
| <i>Impurities &gt;0.01% :</i> | -                      |
| <i>Peak #1 (%) :</i>          | Alpha cedrene : 8.0%   |
| <i>Peak #2 (%) :</i>          | Beta cedrene : 3.0%    |
| <i>Peak #3 (%) :</i>          | Thujopsene : 12.0%     |
| <i>Peak #4 (%) :</i>          | Cuparene : 4.0%        |
| <i>Peak #5 (%) :</i>          | Cedrol : 5.0%          |
| <i>Peak #6 (%) :</i>          | Cedryl acetate : 65.0% |
| <i>Peak #7 (%) :</i>          | Tails : 14.0%          |
| <i>Purity (%) :</i>           | [50 ; 65]              |

## **1.2 - ANALYTICAL DATA SPECIFIC**

|                       |         |
|-----------------------|---------|
| <i>Arsenic (As) :</i> | <3 ppm  |
| <i>Cadmium (Cd) :</i> | <1 ppm  |
| <i>Lead (Pb) :</i>    | <10 ppm |
| <i>Mercury (Hg) :</i> | <1 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>Reg. 1223/2009 &amp; 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>                              | In compliance with the religious concepts                                                       |
| <i>CAS number :</i>                                | 77-54-3 ; 61789-42-2 ; 1405-92-1                                                                |
| <i>Nanoparticle :</i>                              | Not concerned                                                                                   |
| <i>CITES :</i>                                     | Does not contain or derived from varieties of plants listed under annexes I, II or III of CITES |
| <i>Animal testing :</i>                            | This product was not tested on animals.                                                         |
| <i>ISO 16128 :</i>                                 | The Natural Index is: In= 0.00. The Natural Origin Index is: Ino= 0.64.                         |

## **2.1 - REGULAR DATA FLAVOURS**

|                                                 |                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <i>Ionization :</i>                             | -                                                                                                         |
| <i>REG. 872/2012 CE Annex 1 :</i>               | Listed                                                                                                    |
| <i>Genetically Modified Organisms (GMO) :</i>   | -                                                                                                         |
| <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>    | 3302 90 90 00                              |
| <i>Tunnel codes ADR :</i> | E                                          |
| <i>Shelf life :</i>       | 24 months, according to storage conditions |

# CEDRYL ACETATE

*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.(Cedryl acetate), 9, III

*Maritime Transport IMDG :* 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Cedryl acetate), 9, III

*Marine pollutant :* Yes

*Air Transport IATA :* 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Cedryl acetate), 9, III

## LEGISLATION :

KECI : KE-26603 ; KE-26859

NEPA (China) : CB0226192 ; CB7226191

EINECS (EU) : 201-036-1 ; 639-197-9 ; 215-789-9

RIFM - ID N° : 114

FLAVIS : 09.171

ISHL (Japan) : (4)-659

ENCS (Japan) n° : (4)-652 ; 4-659

COE (Council of Europe) : 527

TCSI (Taiwan) : Listed

PICCS (Philippines) : Listed

NZIoC (New Zealand) : Listed

TSCA (Toxic Substances Control Act - USA) : Listed

IECSC (China) : Listed

JECFA n° : Not listed

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

DSL (Canada) : Listed

FEMA : Not listed

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

FDA : Listed

C.A.S : 77-54-3 61789-42-2 1405-92-1

## 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.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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