

**PCW**

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**Technical Data Sheet****TRANS 4 DECENAL**

Manufacture PCW

Reference : TRANS 4 DECENAL

**1 - TECHNICAL DATA**

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| <i>I.N.C.I. :</i>                       | Trans-4-decenal                   |
| <i>IUPAC Name :</i>                     | (E)-4-Decenal                     |
| <i>Chemical / REACH name :</i>          | (E)-4-decenal                     |
| <i>Synonyms :</i>                       | -                                 |
| <i>Molecular formula :</i>              | C <sub>10</sub> H <sub>18</sub> O |
| <i>Molecular weight :</i>               | 154.24                            |
| <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>                | 0.5% α-Tocopherol synthetic       |
| <i>Water solubility :</i>               | No                                |
| <i>Solubility in alcohol (°) :</i>      | Yes                               |

**1.1 - ANALYTICAL DATA**

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| <i>Appearance :</i>                     | Liquid                               |
| <i>Color :</i>                          | Colorless                            |
| <i>Odour :</i>                          | Fresh, fruity, citrus                |
| <i>Relative density @ 25°C :</i>        | [0.835 ; 0.845]                      |
| <i>Refractive index @ 20°C :</i>        | [1.440 ; 1.450]                      |
| <i>Acid Value :</i>                     | -                                    |
| <i>Melting point (°C) :</i>             | -                                    |
| <i>Boiling point (°C) :</i>             | 221                                  |
| <i>Flash point (°C) (close cup) :</i>   | 85                                   |
| <i>Ignition temperature :</i>           | -                                    |
| <i>Somme of isomers (by G.C.) (%) :</i> | 95.0%                                |
| <i>Peak #1 (%) :</i>                    | [Main isomer (trans) ; 90.0 min]     |
| <i>Peak #2 (%) :</i>                    | [Secondary isomer (cis) ; 5.0 - 9.0] |
| <i>Impurities &gt;0.01% :</i>           | -                                    |

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## **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

Low 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 : Certified

Hallal status : Certified

CAS number : 65405-70-1

## **2.1 - REGULAR DATA FLAVOURS**

Ionization : -

Natural status (Reg. 1334/2008/EC) : Flavouring substance

REG. 872/2012 CE Annex 1 : Listed

Foodgrade certificate : Does not comply with the requirements of Regulations 1334/2008/EC & 872/2012/EC

Genetically Modified Organisms (GMO) : -

Bovine Spongiform Encephalopathy (BSE) : -

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

Custom tariff : 2912 19 90 00

Tunnel codes ADR : /

Shelf life : 24 months, according to storage conditions

Precautions of use : Avoid any direct contact with the product.

## **4.1 - STORAGE**

Storage : Keep under Nitrogen, in fraiche temperature (max 18°C). Avoid prolonged exposure to light, humidity and air.

### **Transport :**

Land Transport ADR/RID : NR Not regulated for transport

Maritime Transport IMDG : NR Not regulated for transport

Marine pollutant :

Air Transport IATA : NR Not regulated for transport

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## **LEGISLATION :**

FLAVIS : 05.137  
COE (Council of Europe) : 2297  
FEMA : 3264  
IECSC (China) : Listed  
EINECS (EU) : 265-741-6  
RIFM - ID N° : 5800  
ECSI (Taiwan) : Listed  
ISHL (Japan) : Listed  
NEPA (China) : CB6174282  
ECL (Corée du Sud) n° : Not listed  
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed  
DSL (Canada) : Listed  
AICS (Australian Invent. Chem. Subs.) : Listed  
PICCS (Philippines) : Listed  
ENCS (Japan) n° : Not listed  
NZIoC (New Zealand) : Listed  
TSCA (Toxic Substances Control Act - USA) : Listed  
JECFA n° : 326  
C.A.S : 65405-70-1

## **Labeling :**



ED12 Serious eye damage / eye irritation 2  
SC12 Skin corrosion / irritation 2

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.