

**PCW**

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Technical Data Sheet**CIS 4 DECENAL**

Manufacture PCW

Reference : CIS 4 DECENAL

1 - TECHNICAL DATA

<i>Chemical / REACH name :</i>	(Z)-4-Decenal
<i>Synonyms :</i>	Dec-4-enal ; Cardamom aldehyde FCC
<i>Molecular formula :</i>	C ₁₀ H ₁₈ O
<i>Molecular weight :</i>	154.25
<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>	Traces - 0.55%
<i>Anti-oxdyant(s) :</i>	0.5% α-Tocopherol
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes
<i>I.N.C.I. :</i>	Cis-4-decenal
<i>IUPAC Name :</i>	(Z)-4-Decenal
<i>Ref code :</i>	C4D-1

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless to slightly yellow
<i>Odour :</i>	Spicy, aldehydic, citrus
<i>Relative density @ 25°C :</i>	[0.843 ; 0.850]
<i>Refractive index @ 20°C :</i>	[1.442 ; 1.446]
<i>Acid Value :</i>	[0 ; 5.0 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	211.95
<i>Flash point (°C) (close cup) :</i>	85
<i>Ignition temperature :</i>	-
<i>Somme of isomers (by G.C.) (%) :</i>	[98.0 ; 100.0]
<i>Impurities >0.01% :</i>	-
<i>Peak #1 (%) :</i>	[cis: 93.0 ; 99.9]

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Peak #2 (%) : [trans: 0.1 ; 6.0]

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 : No restrictions (50th Am.)

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

Statut kosher : Certified

Halal status : Certified

CAS number : 21662-09-9 ; 30390-50-2

2.1 - REGULAR DATA FLAVOURS

Ionization : -

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

REG. 872/2012 CE Annex 1 : Listed

Foodgrade certificate : Complies 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, at cool 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 :

EINECS (EU) : 244-514-5
FEMA : 3264
FLAVIS : 05.137 ; 05.096
RIFM - ID N° : 4
COE (Council of Europe) : 2297
JECFA n° : 326
IECSC (China) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
NZIoC (New Zealand) : Listed
TCSI (Taiwan) : Listed
PICCS (Philippines) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
DSL (Canada) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
KECI : Not listed
ENCS (Japan) n° : Not listed
ISHL (Japan) : Not listed
NEPA (China) : Listed
C.A.S : 21662-09-9 30390-50-2

Labeling :

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

H412 - Harmful to aquatic life with long lasting effects.

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