

**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**TRANS 2 DODECENAL**

Manufacture PCW

Reference : TRANS 2 DODECENAL

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	2-dodecenal
<i>IUPAC Name :</i>	Dodec-2-en-1-al
<i>Chemical / REACH name :</i>	(E)-dodec-2-en-1-al
<i>Synonyms :</i>	Trans-2-dodecen-1-al ; Aldehyde mandarine ;
<i>Molecular formula :</i>	C ₁₂ H ₂₂ O
<i>Molecular weight :</i>	182.30
<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>	α-Tocopherol 0.50%
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Slightly yellow
<i>Odour :</i>	Aldehydic, waxy, citrus, herbal
<i>Relative density @ 25°C :</i>	[0.841 ; 0.849]
<i>Refractive index @ 20°C :</i>	[1.455 ; 1.459]
<i>Acid Value :</i>	[0 ; 5.0 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	257.92
<i>Flash point (°C) (close cup) :</i>	110
<i>Ignition temperature :</i>	-
<i>Somme of isomers (by G.C.) (%) :</i>	95%
<i>Impurities >0.01% :</i>	-
<i>Peak #1 (%) :</i>	[Trans ; 93% min.]
<i>Peak #2 (%) :</i>	[Cis: 0.1 ; 3.5]

TRANS 2 DODECENAL

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 (49th Am.)

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

Statut kosher : Certified

Hallal status : Certified

CAS number : 20407-84-5 ; 4826-62-4

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 : E

Shelf life : 30 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 : 3082 Environmentally hazardous substance, liquid, n.o.s.,(2-dodecenal (high trans) fcc), 9, III

Maritime Transport IMDG : 3082 Environmentally hazardous substance, liquid, n.o.s.,(2-dodecenal (high trans) fcc), 9, III

Marine pollutant :

Air Transport IATA : 3082 Environmentally hazardous substance, liquid, n.o.s.,(2-dodecenal (high trans) fcc), 9, III

TRANS 2 DODECENAL

LEGISLATION :

RIFM - ID N° : 5885
EINECS (EU) : 243-797-2
ECL (Corée du Sud) n° : 2014-1-722
ECSI (Taiwan) : Listed
ENCS (Japan) n° : Not listed
ISHL (Japan) : Not listed
FDA : 172.515
FEMA : 2402
JECFA n° : 1350
FLAVIS : 05.144
COE (Council of Europe) : 124
NEPA (China) : CB8360526
IECSC (China) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
NZIoC (New Zealand) : Listed
PICCS (Philippines) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
DSL (Canada) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
C.A.S : 20407-84-5 4826-62-4

Labeling :



ED12 Serious eye damage / eye irritation 2
EHA1 Hazardous to the aquatic environment, acute hazard 1
EHC1 Hazardous to the aquatic environment, long-term hazard 1
SC12 Skin corrosion / irritation 2
SS1 Sensitisation skin 1



H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H410 - Very toxic to aquatic life with long lasting effects.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container according to the local/ regional / national / international Regulation.