

**PCW**

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Technical Data Sheet**TRITAL**

Manufacture PCW

Reference : TRITAL

1 - TECHNICAL DATA

<i>IUPAC Name :</i>	2,4-dimethylcyclohex-3-ene-1-carbaldehyde
<i>I.N.C.I. :</i>	2,4-dimethyl-3-cyclohexene carboxaldehyde
<i>Chemical / REACH name :</i>	2,4-dimethyl-3-cyclohexene-1-carboxaldehyde
<i>Synonyms :</i>	Vertocitral ; Trigustral ; Trital ; Triplal
<i>Molecular formula :</i>	C ₉ H ₁₄ O
<i>Molecular weight :</i>	138.20
<i>Description :</i>	Reaction mass of (1R,2R)-2,4-dimethylcyclohex-3-enecarbaldehyde and (1R,2S)-2,4-dimethylcyclohex-3-enecarbaldehyde
<i>Origin raw material :</i>	Synthetic
<i>Anti-oxydant(s) :</i>	None
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Use level max. recom. :</i>	-
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colourless
<i>Odour :</i>	Fresh, Green, Herbal
<i>Density at 20°C :</i>	[0.932 ; 0.940]
<i>Refractive index @ 20°C :</i>	[1.469 ; 1.475]
<i>Acid Value :</i>	[0 mgKOH/g ; 2]
<i>Flash point (°C) (close cup) :</i>	70
<i>Boiling point (°C) :</i>	196
<i>pH-value :</i>	< 2 mgKOH/g
<i>Peak #1 (%) :</i>	[15.0 ; 32.0]
<i>Peak #2 (%) :</i>	[68.0 ; 85.0]
<i>Somme of isomers (by G.C.) (%) :</i>	98%
<i>Melting point (°C) :</i>	No data

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Ignition temperature : No data
Impurities >0.01% : -

1.5 VLEP

VLEP short term mg/m3 (98/24/CE) : -
VLEP (8h) mg/m3 (98/24/CE) : -

2 - COSMETIC REGULAR DATA

Statut kosher : Certified
Halal status : In compliance with the religious concepts
Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : None
IFRA : Restricted (50th Am.)
CMR (Reg. 1223/2009/EEC) : No
CAS number : 68039-49-6
VOC Swiss - Annex 1 : Not listed
Low VOC (CARB) : 100%
Animal testing : This product was not tested on animals.
Nanoparticle : Not concerned

2.1 - REGULAR DATA FLAVOURS

REG. 872/2012 CE Annex 1 : Not listed
Genetically Modified Organisms (GMO) : Does not result / does not contain GMO
Bovine Spongiform Encephalopathy (BSE) : Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process

4 - TRANSPORT - HANDLING - STORAGE

Shelf life : 24 months, according to storage conditions
Custom tariff : 2912 29 00 90
Tunnel codes ADR : E
Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

Storage : Store at 20°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.(2,4-Dimethylcyclohex-3-ene-1-carbaldehyde), 9, III
Maritime Transport IMDG : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(2,4-Dimethylcyclohex-3-ene-1-carbaldehyde), 9, III
Marine pollutant : Oui (Effet grave)
Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(2,4-Dimethylcyclohex-3-ene-1-carbaldehyde), 9, III

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LEGISLATION :

NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
ISHL (Japan) : 3-(4)-53 ; 3-(4)-111 ; 3-(4)-570
TCSI (Taiwan) : Listed
IECSC (China) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
DSL (Canada) : Listed
COE (Council of Europe) : Not listed
KECI : KE-05-0536
EINECS (EU) : 268-264-1
ENCS (Japan) n° : Not listed
EPA N° : Not listed
FDA : Not listed
FEMA : Not listed
FLAVIS : Not listed
TSCA (Toxic Substances Control Act - USA) : Listed
NEPA (China) : CB9231269
NZIoC (New Zealand) : HSNO Approval Code HSR003489
PICCS (Philippines) : Listed
RIFM - ID N° : 6
C.A.S : 68039-49-6

Labeling :



Symbol: Xi
R43:May cause sensitization by skin contact.
R36/38:Irritating to eyes and skin.
R52-53:Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S37:Wear suitable gloves.
S24:Avoid contact with skin.