

**PCW**

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Technical Data Sheet**TRIETHYL CITRATE NATUREL**

Manufacture PCW

Reference : TRIETHYL CITRATE NATUREL

1 - TECHNICAL DATA

<i>Ref code :</i>	CITETNAT-1
<i>I.N.C.I. :</i>	Triethyl citrate
<i>IUPAC Name :</i>	Triethyl 2-hydroxypropane-1,2,3-tricarboxylate
<i>Chemical / REACH name :</i>	Triethyl 2-hydroxypropane-1,2,3-tricarboxylate
<i>Synonyms :</i>	-
<i>Molecular formula :</i>	C ₁₂ H ₂₀ O ₇
<i>Molecular weight :</i>	276.3
<i>Origine géographique :</i>	-
<i>Origin raw material :</i>	100% natural (Plant source)
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<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>	Colourless
<i>Odour :</i>	Characteristic
<i>Density at 20°C :</i>	[1.136 ; 1.142]
<i>Refractive index @ 20°C :</i>	[1.439 ; 1.445]
<i>Acid Value :</i>	[0 ; 0.5 mgKOH/g]
<i>Flash point (°C) (close cup) :</i>	155
<i>Boiling point (°C) :</i>	286.8
<i>Melting point (°C) :</i>	-45.5
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[99.0 ; 100.0]
<i>Impurities >0.01% :</i>	-

1.5 VLEP

TRIETHYL CITRATE NATUREL

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%

IFRA : No restrictions (50th Am.)

Reg. 1223/2009 & mod. : See certificate

Allergens SCCNFP List : See certificate

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

Halal status : -

Statut kosher : Certified

CAS number : 77-93-0

Nanoparticle : Not concerned

Animal testing : This product was not tested on animals.

2.1 - REGULAR DATA FLAVOURS

REG. 872/2012 CE Annex 1 : Listed

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

Foodgrade certificate : Complies with the requirements of Regulations 1334/2008/EC & 872/2012/EC

Ionization : -

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

Vegan : Yes

4 - TRANSPORT - HANDLING - STORAGE

Tunnel codes ADR : -

Custom tariff : 2918 15 00 90

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

Shelf life : 24 months, according to storage conditions

4.1 - STORAGE

Storage : Store in cool place (10°C max.), in tightly sealed original container. Avoid prolonged exposure to light, heat 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

TRIETHYL CITRATE NATUREL

LEGISLATION :

COE (Council of Europe) : 11762
FEMA : 3083
JECFA n° : 629
FLAVIS : 09.512
EINECS (EU) : 201-070-7
PICCS (Philippines) : Listed
AICS (Australian Invent. Chem. Subs.) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
DSL (Canada) : Listed
NZIoC (New Zealand) : Listed
TSCA (Toxic Substances Control Act - USA) : Listed
IECSC (China) : Listed
ENCS (Japan) n° : (2)-1320
ISHL (Japan) : Listed
NEPA (China) : CB5854363
TCSI (Taiwan) : Listed
KECI : KE-20840
RIFM - ID N° : /
FDA : 175.300 ; 175.320 ; 181.27
C.A.S : 77-93-0

Labeling :

H000 - Not classified according to the Regulation 1272/2008/EC