

**PCW**

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Technical Data Sheet**ETHYL MALTOL**

Manufacture PCW

Reference : ETHYL MALTOL

1 - TECHNICAL DATA

Chemical / REACH name : 2-Ethyl-3-hydroxy-4-pyrone
Synonyms : 2-ethyl pyromeconic acid ; 3-hydroxy-2-ethyl-gamma-pyrone
Molecular formula : C7 H8 O3
Molecular weight : 140.14
Origin raw material : 100% Synthetic (Petrochemical / Mineral)
Use of the substance / mixture : Industrial use only
End use : Fragrances / Cosmetic / Flavours
Use level max. recom. : -
Anti-oxydant(s) : None
Water solubility : No
Solubility in alcohol (°) : Yes
I.N.C.I. : Ethyl hydroxypyronone
IUPAC Name : 2-ethyl-3-hydroxypyran-4-one
Ref code : EMAL-1

1.1 - ANALYTICAL DATA

Appearance : Solid
Color : White
Odour : Caramel, sweet
Density at 20°C : -
Refractive index @ 20°C : -
Acid Value : -
Melting point (°C) : [89 ; 93]
Boiling point (°C) : -
Flash point (°C) (close cup) : 93
Ignition temperature : -
Purity (%) : [99.00 ; 100.00]
Impurities >0.01% : -
Melamine : <1 mg/kg

1.2 - ANALYTICAL DATA SPECIFIC

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Humidity (%) :	0.300
Cadmium (Cd) :	<1 mg/kg
Arsenic (As) :	<3 mg/kg
Ash (%) :	0.20
Mercury (Hg) :	<1 mg/kg
Lead (Pb) :	<10mg/kg

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 :	4940-11-8
Animal testing :	This product was not tested on animals.
Nanoparticle :	Not concerned

2.1 - REGULAR DATA FLAVOURS

Ionization :	Not submitted to a processing of 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) :	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
Food allergens (Reg. 1169/2011/EC) :	None

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff :	2932 99 00 23
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 : Store at 20°C max. Avoid prolonged exposure to light and air.

Transport :

Land Transport ADR/RID :	NR Not regulated for transport
Maritime Transport IMDG :	NR Not regulated for transport

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Marine pollutant : No
Air Transport IATA : NR Not regulated for transport

LEGISLATION :

KECI : KE-13879
COE (Council of Europe) : 692
RIFM - ID N° : 543
TSCA (Toxic Substances Control Act - USA) : Listed
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
DSL (Canada) : Listed
JECFA n° : 1481
ISHL (Japan) : (5)-678
IECSC (China) : Listed
FLAVIS : 07.047
FEMA : 3487
FDA : 172.515
ENCS (Japan) n° : (5)-678
EINECS (EU) : 225-582-5
NEPA (China) : CB6772323
AICS (Australian Invent. Chem. Subs.) : Listed
TCSI (Taiwan) : Listed
C.A.S : 4940-11-8

Labeling :



ATO4 Acute toxicity oral 4

H302 - Harmful if swallowed.

P270 - Do not eat, drink or smoke when using this product.

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.

P330 - Rinse mouth.

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