

**PCW**

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Technical Data Sheet**HELION**

Manufacture PCW

Reference : HELION

1 - TECHNICAL DATA

<i>IUPAC Name :</i>	alpha-Methyl-1,3-benzodioxole-5-propionaldehyde
<i>Chemical / REACH name :</i>	a-methyl-3,4-methylenedioxy-hydrocinnamaldehyde
<i>Synonyms :</i>	Helion ; Helional ; Aquanal ; MMDHCA ; 3-(3,4-Methylenedioxyphenyl)-2-methylpropanal
<i>I.N.C.I. :</i>	Methylenedioxyphenyl methylpropanal
<i>Molecular formula :</i>	C11 H12 O3
<i>Molecular weight :</i>	192.2
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Use level max. recom. :</i>	10.0%
<i>Anti-oxydant(s) :</i>	0.02% E307
<i>Origin raw material :</i>	Synthetic
<i>Solubility in alcohol (°) :</i>	Yes
<i>Water solubility :</i>	No
<i>Ref code :</i>	HEL-1

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Odour :</i>	Floral, green
<i>Color :</i>	Colorless
<i>Relative density @ 25°C :</i>	[1.155 ; 1.165]
<i>Refractive index @ 20°C :</i>	[1.530 ; 1.540]
<i>Acid Value :</i>	[0 ; 1 mgKOH/g]
<i>Boiling point (°C) :</i>	282 - 284
<i>Flash point (°C) (close cup) :</i>	126
<i>Melting point (°C) :</i>	-
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98.0 ; 100.0]
<i>Impurities >0.01% :</i>	2-methyl-3-(3,4-methylenedioxyphenyl) propionic acid : 0.05% max.
<i>Somme of isomers (by G.C.) (%) :</i>	-

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1.2 - ANALYTICAL DATA SPECIFIC

<i>Arsenic (As) :</i>	Max. 3 mg/kg
<i>Lead (Pb) :</i>	Max. 10 mg/kg
<i>Cadmium (Cd) :</i>	Max. 1 mg/kg
<i>Mercury (Hg) :</i>	Max. 1 mg/kg

1.5 VLEP

<i>VLEP short term mg/m3 (98/24/CE) :</i>	No data
<i>VLEP (8h) mg/m3 (98/24/CE) :</i>	No data

2 - COSMETIC REGULAR DATA

<i>Statut kosher :</i>	Certified
<i>Halal status :</i>	Not certified
<i>CAS number :</i>	1205-17-0
<i>IFRA :</i>	Restricted (50th Am.)
<i>Reg. 1223/2009 & mod. :</i>	See certificate
<i>Allergens SCCNFP List :</i>	See certificate
<i>CMR (Reg. 1223/2009/EEC) :</i>	See certificate
<i>VOC Swiss - Annex 1 :</i>	Not listed
<i>LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) :</i>	100%
<i>Nanoparticle :</i>	Non concerné

2.1 - REGULAR DATA FLAVOURS

<i>REG. 872/2012 CE Annex 1 :</i>	Not listed
<i>Genetically Modified Organisms (GMO) :</i>	Does not result / does not contain GMO
<i>Bovine Spongiform Encephalopathy (BSE) :</i>	Free of BSE/TSE risks as no materials of animal origin are used at any stage in the manufacturing process
<i>Ionization :</i>	Not submitted to a processing of ionization
<i>Natural status (Reg. 1334/2008/EC) :</i>	Flavouring substance
<i>Foodgrade certificate :</i>	Complies with the requirements of Regulations 1334/2008/EC

4 - TRANSPORT - HANDLING - STORAGE

<i>Shelf life :</i>	24 months, according to storage conditions
<i>Tunnel codes ADR :</i>	E
<i>Precautions of use :</i>	Avoid any direct contact with the product.
<i>Custom tariff :</i>	2932 99 00 51

4.1 - STORAGE

<i>Storage :</i>	Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.
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Transport :

<i>Land Transport ADR/RID :</i>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(alpha-Methyl-1,3-benzodioxole-5-propionaldehyde), 9, III
<i>Maritime Transport IMDG :</i>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(alpha-Methyl-1,3-benzodioxole-5-propionaldehyde), 9, III
<i>Marine pollutant :</i>	Yes
<i>Air Transport IATA :</i>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(alpha-Methyl-1,3-benzodioxole-5-propionaldehyde), 9, III

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LEGISLATION :

TSCA (Toxic Substances Control Act - USA) : Listed
TCSI (Taiwan) : Listed
ISHL (Japan) : 5-3560
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
RIFM - ID N° : 1212
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
NEPA (China) : CB0398752
DSL (Canada) : Listed
KECI : KE-23484
JECFA n° : Not listed
IECSC (China) : Listed
FLAVIS : Not listed
FEMA : 4599
FDA : Not listed
EPA N° : Not listed
ENCS (Japan) n° : 5-3560
EINECS (EU) : 214-881-6
COE (Council of Europe) : Not listed
AICS (Australian Invent. Chem. Subs.) : Listed
C.A.S : 1205-17-0

Labeling :



ED12 Serious eye damage / eye irritation 2
EHC2 Hazardous to the aquatic environment, long-term hazard 2



REP2 Reproductive toxicity 2
SS1 Sensitisation skin 1



STO-RE2 Specific target organ toxicity, repeated exposure 2
STO-SE3-R1 Toxicité organes cibles - expo unique 3R1

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373 - May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411 - Toxic to aquatic life with long lasting effects.

P260 - Do not breathe 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.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER/doctor/... if you feel unwell.

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.