

**PCW**

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Technical Data Sheet**FURFURAL**

Manufacture PCW

Reference : FURFURAL

1 - TECHNICAL DATA

<i>Chemical / REACH name :</i>	2-furaldehyde
<i>Synonyms :</i>	Furfural ; 2-furaldehyde ; 2-furfural ; Furfurol ; Fural
<i>Molecular formula :</i>	C ₅ H ₄ O ₂
<i>Molecular weight :</i>	96.09
<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>	None
<i>Water solubility :</i>	No
<i>Solubility in alcohol (°) :</i>	Yes
<i>I.N.C.I. :</i>	Furfural
<i>IUPAC Name :</i>	2-furaldehyde

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Pale yellow - brown
<i>Odour :</i>	Bitter almonds, fresh
<i>Density at 20°C :</i>	[1.155 ; 1.165]
<i>Refractive index @ 20°C :</i>	[1.521 ; 1.531]
<i>Acid Value :</i>	[0 ; 1.00 mgKOH/g]
<i>Melting point (°C) :</i>	-
<i>Boiling point (°C) :</i>	161.7
<i>Flash point (°C) (close cup) :</i>	60
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	[98.5 ; 100.0]
<i>Impurities >0.01% :</i>	-

1.5 VLEP

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

2 - COSMETIC REGULAR DATA

VOC Swiss - Annex 1 : Not listed
COV medium (CARB) : 100%
Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : See certificate
IFRA : Restricted (49th Am.)
CMR (Reg. 1223/2009/EEC) : See certificate
Statut kosher : Certified
Hallal status : Certified
CAS number : 98-01-1

2.1 - REGULAR DATA FLAVOURS

Ionization : -
Natural status (Reg. 1334/2008/EC) : Flavouring substance
REG. 872/2012 CE Annex 1 : Listed
Foodgrade certificate : Certified
Genetically Modified Organisms (GMO) : Does not result / does not contain GMO
Bovine Spongiform Encephalopathy (BSE) : -
Food allergens (Reg. 1169/2011/EC) : None

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff : 2932 12 00 00
Tunnel codes ADR : D/E
Shelf life : 12 months, according to storage conditions
Precautions of use : Avoid any direct contact with the product.

4.1 - STORAGE

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

Transport :

Land Transport ADR/RID : 1199 FURALDEHYDES, 6.1 (3), III
Maritime Transport IMDG : 1199 FURALDEHYDES, 6.1 (3), III
Marine pollutant : No
Air Transport IATA : 1199 FURALDEHYDES, 6.1 (3), III

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LEGISLATION :

TSCA (Toxic Substances Control Act - USA) : Listed
RIFM - ID N° : 721
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Listed
DSL (Canada) : Listed
JECFA n° : 450
IECSC (China) : Listed
FLAVIS : 13.018
FEMA : 2489
FDA : 175.105
ENCS (Japan) n° : (5)-40
EINECS (EU) : Listed
ECSI (Taiwan) : Listed
ECL (Corée du Sud) n° : KE-17310
COE (Council of Europe) : 2014
AICS (Australian Invent. Chem. Subs.) : Listed
C.A.S : 98-01-1

Labeling :



ATD4 Acute toxicity dermal 4
ATI2 Acute toxicity inhalation 2
ATO3 Acute toxicity oral 3



CAR2 Carcinogenicity 2
EDI2 Serious eye damage / eye irritation 2
EHC3 Hazardous to the aquatic environment, long-term hazard 3



FL3 Flammable Liquids 3
SC12 Skin corrosion / irritation 2
STO-SE3-RI Toxicité organes cibles - expo unique 3RI

H226 - Flammable liquid and vapour.

H301 - Toxic if swallowed.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H330 - Fatal if inhaled.

H335 - May cause respiratory irritation.

H351 - Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412 - Harmful to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240+P241 - Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/.../equipment.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301/303+P310 - If swallowed : Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P332+P313 - If skin irritation 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.