

**PCW**

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Technical Data Sheet**ISOVALERIC ALDEHYDE**

Manufacture PCW

Reference : ISOVALERIC ALDEHYDE

1 - TECHNICAL DATA

<i>I.N.C.I. :</i>	Isopentanal
<i>IUPAC Name :</i>	3-Methyl-butanal; isovaleral
<i>Chemical / REACH name :</i>	Isovaleraldehyde
<i>Synonyms :</i>	3-Methylbutanal
<i>Molecular formula :</i>	C ₅ H ₁₀ O
<i>Molecular weight :</i>	86.13
<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 14 000 mg/L @ 20°C (litt.)
<i>Solubility in alcohol (°) :</i>	Yes

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless
<i>Odour :</i>	Fruity
<i>Density at 20°C :</i>	[0.794 ; 0.810]
<i>Refractive index @ 20°C :</i>	[1.386 ; 1.400]
<i>Acid Value :</i>	[0 ; 10 mgKOH/g]
<i>Melting point (°C) :</i>	- 28
<i>Flash point (°C) (close cup) :</i>	- 5
<i>Boiling point (°C) :</i>	90
<i>pH-value :</i>	5.3
<i>Ignition temperature :</i>	-
<i>Purity (%) :</i>	97% min.

1.5 VLEP

ISOVALERIC ALDEHYDE

VLEP short term mg/m³
(98/24/CE) : No data

VLEP (8h) mg/m³ (98/24/CE) : No data

2 - COSMETIC REGULAR DATA

Nanoparticle : Not concerned
VOC Swiss - Annex 1 : Not listed
COV medium (CARB) : 100%
Reg. 1223/2009 & mod. : See certificate
Allergens SCCNFP List : See certificate
IFRA : No restrictions (49th Am.)
CMR (Reg. 1223/2009/EEC) : See certificate
Statut kosher : Certified
Hallal status : Certified
CAS number : 590-86-3
Animal testing : This product was not tested on animals.

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

4 - TRANSPORT - HANDLING - STORAGE

Custom tariff : 2912 19 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 : 2058 VALERALDEHYDE, 3, II
Maritime Transport IMDG : 2058 VALERALDEHYDE, 3, II
Marine pollutant : Yes
Air Transport IATA : 2058 VALERALDEHYDE, 3, II

ISOVALERIC ALDEHYDE

LEGISLATION :

DSL (Canada) : Listed
NEPA (China) : CB0351221
TSCA (Toxic Substances Control Act - USA) : Listed
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
ECL (Corée du Sud) n° : KE-23536
EINECS (EU) : 209-691-5
ENCS (Japan) n° : (2)-494
FDA : 172.515
FEMA : 2692
FLAVIS : 05.006
AICS (Australian Invent. Chem. Subs.) : Listed
COE (Council of Europe) : 94
IECSC (China) : Listed
JECFA n° : 258
ECSI (Taiwan) : Listed
RIFM - ID N° : 1147
PICCS (Philippines) : Listed
NZIoC (New Zealand) : Listed
C.A.S : 590-86-3

Labeling :



ED12 Serious eye damage / eye irritation 2



EHC2 Hazardous to the aquatic environment, long-term hazard 2



FL2 Flammable Liquids 2



SS1A Sensitisation, skin 1A



STO-SE3-RI Toxicité organes cibles - expo unique 3RI

H225 - Highly flammable liquid and vapour

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H411 - Toxic 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.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P272+P363 - Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

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

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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