

**PCW**

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Technical Data Sheet**AMBRETTOLIDE**

Manufacture PCW

Reference : AMBRETTOLIDE

1 - TECHNICAL DATA

<i>Ref code :</i>	AMBR-1
<i>IUPAC Name :</i>	Oxacycloheptadec-10-en-2-one
<i>I.N.C.I. :</i>	Oxacycloheptadec-10-en-2-one
<i>Chemical / REACH name :</i>	(9Z)-17-oxacycloheptadec-9-en-1-one
<i>Synonyms :</i>	Isoambrettolide ; 10E-1-oxacycloheptadec-10-en-2-one
<i>Molecular formula :</i>	C ₁₆ H ₂₈ O ₂
<i>Molecular weight :</i>	252.4
<i>Origin raw material :</i>	Synthetic
<i>Origine géographique :</i>	India
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic / Flavours
<i>Use level max. recom. :</i>	Fragrances : 0.5 - 1% / Flavours : 0.7ppm
<i>Anti-oxydant(s) :</i>	None
<i>Solubility in alcohol (°) :</i>	Soluble
<i>Water solubility :</i>	6 mg/L @ 20°C

1.1 - ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Color :</i>	Colorless to yellowish
<i>Odour :</i>	Powerful musky odor
<i>Density @ 25°C :</i>	[0.950 ; 0.958]
<i>Refractive index @ 20°C :</i>	[1.477 ; 1.481]
<i>Optical rotation (°) :</i>	-
<i>Acid Value :</i>	1.0 max.
<i>Viscosity :</i>	Move liquid
<i>Flash point (°C) (close cup) :</i>	> 100
<i>Boiling point (°C) :</i>	307
<i>pH-value :</i>	7
<i>Purity (%) :</i>	(GC) 97% min.
<i>Peak #1 (%) :</i>	[Lower isomer ; 1.00 max.]

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Peak #2 (%) :	[Higher isomer ; 2.00 max.]
Melting point (°C) :	No data
Ignition temperature :	No data

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

Statut kosher :	Certified
Halal status :	Certified
CAS number :	28645-51-4
Reg. 1223/2009 & mod. :	See certificate
Allergens SCCNFP List :	See certificate
IFRA :	No restrictions (50th Am.)
VOC Swiss - Annex 1 :	Not listed
LVP-VOC / INORGANIC / EXEMPTED VOC (CARB) :	100%
CMR (Reg. 1223/2009/EEC) :	See certificate
Nanoparticle :	No
Animal testing :	In accordance with Article 18 of the Cosmetic Regulation (EC) No 1223/2009
ISO 16128 :	The Natural Origin Index is: Ino= 61.44%

2.1 - REGULAR DATA FLAVOURS

Natural status (Reg. 1334/2008/EC) :	Flavouring substance
REG. 872/2012 CE Annex 1 :	Listed
Foodgrade certificate :	Certified
Food allergens (Reg. 1169/2011/EC) :	None
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
Ionization :	No
Vegan :	Yes

4 - TRANSPORT - HANDLING - STORAGE

Shelf life :	12 months, according to storage conditions
Custom tariff :	2932 20 90 90
Tunnel codes ADR :	E
Precautions of use :	Avoid any direct contact with the product.

4.1 - STORAGE

Storage :	Store at 15°C in tightly sealed original container. Avoid prolonged exposure to light, heat and air.
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Transport :

Land Transport ADR/RID :	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Oxacycloheptadec-10-en-2-one), 9, III
Maritime Transport IMDG :	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Oxacycloheptadec-10-en-2-one), 9, III

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Marine pollutant : Yes

Air Transport IATA : 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.(Oxacycloheptadec-10-en-2-one), 9, III

LEGISLATION :

TSCA (Toxic Substances Control Act - USA) : 28645-51-4

PICCS (Philippines) : Listed

IECSC (China) : Listed

NEPA (China) : CB7213218

ISHL (Japan) : Not listed

FLAVIS : 10.063

FEMA : 4145

FDA : 172.515

NZIoC (New Zealand) : Approved

EPA N° : Not listed

ENCS (Japan) n° : Not listed

EINECS (EU) : 249-120-7

JECFA n° : 1991

KECI : KE-27444

COE (Council of Europe) : 180

DSL (Canada) : Listed

RIFM - ID N° : 5644

AICS (Australian Invent. Chem. Subs.) : Listed

Swiss Giftliste 1 : Non renseigné / not informed

C.A.S : 28645-51-4

Labeling :



EHA1 Hazardous to the aquatic environment, acute hazard 1

EHC1 Hazardous to the aquatic environment, long-term hazard 1

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

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