

**PCW**

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Technical Data Sheet**CALAMUS P&N H.E.**

Manufacture PCW

Reference : CALAMUS P&N H.E.

TECHNICAL DATA

<i>I.N.C.I. :</i>	Acorus Calamus
<i>Description :</i>	Essential oil 100 % pur & nat. The essential oil of Calamus is obtained by steam distillation of fresh or dried roots of Acorus calamus L.
<i>Use of the substance / mixture :</i>	Industrial use only
<i>End use :</i>	Fragrances / Cosmetic
<i>Origine géographique :</i>	India
<i>CAS number :</i>	8015-79-0 / 84775-39-3
<i>GMO (Reg (EC) 1829/2003 & 1830/2003 :</i>	Does not result / does not contain GMO
<i>Process :</i>	See flow chart

ANALYTICAL DATA

<i>Appearance :</i>	Liquid
<i>Colour :</i>	Yellow brown
<i>Odour :</i>	Bitter, Aromatic
<i>Density 20/20°C :</i>	[1.072 ; 1.090]
<i>Refractive index @ 20°C :</i>	[1.546 ; 1.560]
<i>Optical rotation (°) :</i>	[-2 ; +4]
<i>Flash point (°C) (close cup) :</i>	85
<i>Peak #1 (%) :</i>	Alpha & beta-Asarone : max 94%
<i>Peak #2 (%) :</i>	Methyl Eugenol : <0.05%

COSMETIC REGULAR DATA

<i>ISO 16128 :</i>	The Natural Index is: In= 1.
<i>ISO 9235 :</i>	This product is a 100% natural essential oil obtained by physical processes only from a botanical source. Complies with the ISO 9235:2013 standard.
<i>Huile de palme ou dérivés :</i>	Does not contain palm oil, palm oil derivatives, palm kernel oil or palm kernel oil derivatives.

REGULAR DATA FLAVOURS

<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>Natural status (Reg. 1334/2008/EC) :</i>	Not food grade

CALAMUS P&N H.E.

TRANSPORT - HANDLING - STORAGE

<i>Shelf life :</i>	18 months, according to storage conditions
<i>Custom tariff :</i>	3301 29 41 00
<i>Storage :</i>	Store at 25°C max. in tightly sealed original container. Avoid prolonged exposure to light, heat and air.

LEGISLATION :

DSL (Canada) : Listed
COE (Council of Europe) : 13n
AICS (Australian Invent. Chem. Subs.) : Listed
KECI : KE-26802
EINECS (EU) : 283-869-0
ENCS (Japan) n° : Not listed
EPA N° : Listed
FDA : 189.110
FEMA : Not listed
JECFA n° : Not listed
TSCA (Toxic Substances Control Act - USA) : Listed
PICCS (Philippines) : Listed
RIFM - ID N° : 576-A2.12
NDSL/LES (Canada - Non-domestic Substances List) : Not Listed
NZIoC (New Zealand) : Listed
IECSC (China) : Listed
NEPA (China) : CB5367892
ISHL (Japan) : Not listed
TCSI (Taiwan) : Listed
C.A.S : 8015-79-0 84775-39-3

[Labelling Manual - FootNote : 5;3b (oral) : Not classified for aspiration hazard (AH 1) because the material is viscous or solid (at RT). However in a liquid formulation (mixture) it contributes to the total hydrocarbon level. Labeling for acute toxicity based on test data.]