

**TECHNICAL DATA SHEET**

Effective date: 11.2020

Pure Cardamom Essential Oil

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Elettaria cardamomum seed oil
Botanical name	Elettaria cardamomum (L.) Maton
Manufacturing process	Obtained by steam distillation of the seeds of Cardamom (Zingiberaceae)
Part used	Seed
Main components	Alpha-terpinyl acetate, cineole-1,8, linalyl acetat

TECHNICAL DATA**Physical parameters**

Appearance	Liquid
Color	Nearly colorless to pale yellow
Odor	Heady, cineol-like, spicy
Relative density at 20°C	[0.920 ; 0.940]
Refractive index at 20°C	[1.460 ; 1.467]
Specific rotation (°)	[+24 ; +39]
Flash point	+59°C
Solubility	Soluble in ethanol, soluble in oil, insoluble in water

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container
Shelf Life	36 months under good storage conditions
Transport	UN 1169 Extracts, aromatic, liquid, 3, III

LEGISLATION

Certification	-
IFRA restrictions	Not explicitly regulated by IFRA.
CMR substances	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008.
Nanomaterials	This product is not considered as a nanomaterial, and doesn't contain nanoparticles as defined by the European commission and as described in EU n°1223/2009 and

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	2012-232 (ANSES).
Animal testing	This product has not been tested on animals.
EINECS	288-922-1
CAS	85940-32-5
FEMA	2241
FDA	182.200
COE	180n

LABELING

Hazard pictograms	
Hazard statements	H315 - Causes skin irritation. H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation. H226 – Flammable liquid and vapor. H411 – Toxic to aquatic life with long lasting effects.
Precautionary statements	P262: Do not get in eyes, on skin, or on clothing. P273: Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P501 - Dispose of contents/ container in accordance with local/ regional/ national/ international regulation.
European Union specific hazard statements	 R10 Flammable. R43 May cause sensitization by skin contact. R51: Toxic to aquatic organisms R53: May cause long term adverse effects in the aquatic environment. S24 Avoid contact with skin S37 Wear suitable gloves. S61 Avoid release to the environment. Refer to special instructions/ safety data sheets.



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DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.