

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.1

Balsam Fir Essential Oil Organic

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Abies balsamea needle oil
Botanical name	Abies balsamea (L.) Miller
Manufacturing process	Steam distillation of the twigs and needles, 100% pure and natural
Part used	Wood and leaves
Main constituents	beta-pinene (28 to 38%), alpha-pinene (9 to 19%), delta-3-carene (1 to 17%), bornyl acetate (5 to 12%), d-limonene (5 to 10%)

TECHNICAL DATA

Physical parameters

Appearance	Liquid
Color	Colorless to light yellow
Odor	Fresh, woody, resinous
Relative density (d20/20)	[0.865 ; 0.885]
Refractive index at 20°C	[1.472 ; 1.480]
Optical rotation at 20°C	[-35 ; -5]°
Flash point	[+35 ; +50]°C
Solubility	Soluble in ethanol and 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
Custom tariff	-

LEGISLATION


Certification	Organic
EINECS	285-364-0
CAS	8024-15-5

LABELING

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Hazard pictograms	
Hazard categories	AH1 Aspiration hazard 1 EDI2 Serious eye damage / eye irritation 2 EHA1 Hazardous to the aquatic environment, acute hazard 1 EHC1 Hazardous to the aquatic environment, long-term hazard 1 FL3 Flammable Liquids 3 SCI2 Skin corrosion / irritation 2 SS1 Skin Sensitization 1
Hazard statements	H226 - Flammable liquid and vapor. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 - IF ON SKIN: Wash with plenty of water. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/ container in accordance with local/ regional/ national/ international regulation.

DISCLAIMER

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