



NHR ORGANIC OILS
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Product Specification

Organic Zanthoxylum Essential Oil

(Zanthoxylum armatum)

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IDENTIFICATION

Botanical family : Rutaceae
Botanical name : Zanthoxylum alatum Roxb.
INCI name : ZANTHOXYLUM ALATUM FRUIT EXTRACT

TECHNICAL PROPERTIES

Quality : 100% pure and natural
Manufacturing process : Steam distillation of the fresh fruits
Main components : Linalool (45 to 55%), Limonene (10 to 40%), Beta-phellandrene (5 to 15%), Methyl Cinnamate (2 to 15%)

CONDITIONING - STORAGE

BBD : approx. 4 years after the production date
Conservation : Keep in tightly closed container in a cool and dry place, protected from light. Stable at usual storage and use conditions.

ORGANOLEPTIC PROPERTIES

Odor : Woody, spicy
Color : [Pale yellow ; Light brown]
Texture : Mobile and clear liquid

TECHNICAL DATA

Flash point (°C) : [+55 ; +61]
Refractive index at 20°C : [1.475 ; 1.490]
Relative density at 20°C : [0.815 ; 0.905]
Water solubility : No
Ethanol solubility : yes
Angular rotation at 20°C (°) : [+1 ; +45]

REGULAR DATA

REACH : Exempted because importation < 1t / year / legal entity

LEGISLATION :

EINECS : 294-877-9

C.A.S : /

Labeling :



AH1 Aspiration hazard 1

ED12 Serious eye damage / eye irritation 2

EHA1 Hazardous to the aquatic environment, acute hazard 1



EHC3 Hazardous to the aquatic environment, long-term hazard 3

FL3 Flammable Liquids 3

SC12 Skin corrosion / irritation 2



SS1 Sensitisation skin 1

H226 - Flammable liquid and vapour.

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.

H400 - Very toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

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 [or 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.

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

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container according to applicable legislations