



TECHNICAL DATA SHEET

Date of issue: 18/07/2014

Revision date: 11/03/2020

SIBERIAN PINE / FIR OIL

Version: 3.0

Supersedes: 27/01/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

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Name : SIBERIAN PINE / FIR OIL
Product code : PINHE01
Origin : Russia

SECTION 2: PRODUCTION PROCESS

Manufacture : Steam distillation of needles and twigs of Abies sibirica

SECTION 3: REGULATORY SITUATION

Identification of the product : Essential oil
Botanical name : Abies sibirica Ledeb.
INCI Name : ABIES SIBIRICA NEEDLE OIL
Synonyms : OTHER CAS No 8021-29-2
CAS-No. : 91697-89-1
EC-No. : 294-351-9
FEMA : 2905
FDA : 172.510
CEE : 5n

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Colour : Colourless. light yellow.
Odour : characteristic. woody. balsamic.
Flash point : 40,5 °C
Relative density : 0,89 - 0,915
Refractive index : 1,46 - 1,48
Optical rotation : -45 - -30 °
Solubility : Insoluble in water. Solubility in ethanol.
Ethanol: Solubility in ethanol 1:2 (v/v)
Composition : CAMPHENE; PINENES; d-3-CARENE; LIMONENE

SECTION 5: Handling and storage

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing smokes, vapours.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof ventilating equipment.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container tightly closed.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.
Maximum storage period : 36 months Shelf life to guarantee the quality and properties of the product; After this period, it is recommended to control organoleptic and physicochemical properties before using the raw material.
Storage temperature : 5 - 25 °C

Exaflor Technical Data Sheet

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.