



TECHNICAL DATA SHEET

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RED MANDARIN OIL TYPE

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

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Name : RED MANDARIN OIL TYPE
Product code : MANHE04
Origin : Italy,Brazil

SECTION 2: PRODUCTION PROCESS

Manufacture : Cold expression of the peel of Citrus reticulata fruits

SECTION 3: REGULATORY SITUATION

Identification of the product : Essential oil
Botanical name : Citrus reticulata Blanco = Citrus nobilis subf. reticulata (Blanco) Hiroe
INCI Name : CITRUS NOBILIS OIL
Synonyms : No CAS USA : 8008-31-9
Other INCI Name: CITRUS RETICULATA PEEL OIL (source CosIng)
CAS-No. : 84929-38-4
EC-No. : 284-521-0
FEMA : 2657
FDA : 182.20
CEE : 142n

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : Liquid mobile. Clear.
Colour : red. orange. dark red.
Odour : characteristic.
Flash point : 46 °C
Melting point : Not applicable
Boiling point : 176 °C
Relative density : 0,844 – 0,854
Refractive index : 1,472 – 1,476
Optical rotation : 69 – 81 °
Solubility : Poorly soluble in water.
Composition : LIMONENE; GAMMA-TERPINENE

SECTION 5: Handling and storage

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Ensure good ventilation of the work station. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
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 : Heat sources, Direct sunlight. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

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Maximum storage period	: 12 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	: ~ 10 (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.