



TECHNICAL DATA SHEET

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CLOVE LEAVES OIL

Version: 1.3

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

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Name : CLOVE LEAVES OIL
Product code : GIRHE02

SECTION 2: PRODUCTION PROCESS

Manufacture : Essential oil obtained by steam distillation of water from the leaves of clove (*Eugenia caryophyllus*)

SECTION 3: REGULATORY SITUATION

Identification of the product : Essential oil
Botanical name : *Eugenia caryophyllus* (= *Syzygium aromaticum*)
INCI Name : EUGENIA CARYOPHYLLUS LEAF OIL
Synonyms : N° CAS : 8000-34-8 / 8015-97-2
CAS-No. : 84961-50-2
EC-No. : 284-638-7
FEMA : 2325
FDA : 182.20
CEE : 188n

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : Liquid mobile. Clear. slightly. Viscous.
Colour : Yellow. Brown.
Odour : spicy. typical of the main component.
Flash point : 112 °C
Relative density : 1,02 - 1,06
Refractive index : 1,525 - 1,545
Optical rotation :
Solubility : Solubility in ethanol. Insoluble in water.
Composition : EUGENOL

SECTION 5: Handling and storage

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. Avoid breathing smokes, vapours. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
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 : 18 (5 - 25) °C
Storage area : Keep in the dark. Store in a well-ventilated place. Store away from heat.

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.