



TECHNICAL DATA SHEET

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NEEM OIL

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

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Name : NEEM OIL
Product code : NEEHV01
Origin : India

SECTION 2: PRODUCTION PROCESS

Manufacture : Cold pressing of the seed of Melia azadirachta

SECTION 3: REGULATORY SITUATION

Identification of the product : Vegetable oil
Botanical name : Melia azadirachta
INCI Name : MELIA AZADIRACHTA SEED OIL
Synonyms : CAS N° : 8002-65-1
CAS-No. : 90063-92-6
EC-No. : 290-052-2

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : oily. slightly. Viscous.
Colour : light yellow. Green-brown.
Odour : characteristic.
Flash point : > 100 °C
Relative density : 0,89 - 0,94 at 25 °C
Refractive index : 1,457 - 1,47 at 25 °C
Optical rotation :
Solubility : Soluble in oil. Insoluble in water. Insoluble in: alcohol.

Iode value (gl2/100g) : 65-80
Saponification value : 170-210

Composition : C14:0 Myristic acid : 1-4%
C16:0 Palmitic acid : 11-19%
C18:0 Stearic acid : 12-22%
C18:1 Oleic acid : 40-63%
C18:2 Linoleic acid : 5-20%
C20:0 Arachidic acid : max 3.5%
C20:1 Eicosenoic acid : max 3%
C22:0 Behenic acid : max 1.5%

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.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, 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 : 3 year
Storage temperature : ≈ 18 (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