



TECHNICAL DATA SHEET

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MACADAMIA NUT OIL REFINED

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

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Name : MACADAMIA NUT OIL REFINED
Product code : MACHV01
Origin : Africa

SECTION 2: PRODUCTION PROCESS

Manufacture : Cold expression of Macadamia fruits by mechanical pressure followed by refining.

SECTION 3: REGULATORY SITUATION

Identification of the product : Vegetable oil
Botanical name : Macadamia ternifolia L.
INCI Name : MACADAMIA TERNIFOLIA SEED OIL
CAS-No. : 129811-19-4
EC-No. : 273-313-5

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : Liquid Clear. oily.
Colour : Colourless. light yellow. Yellow.
Odour : characteristic. slight.
Flash point : 240 °C
Relative density : 0.905 – 0.92
Refractive index : 1.46 – 1.47
Optical rotation : N.A. °
Solubility : Insoluble in water. Soluble in. Ethers.

Acid value (mg KOH / g): max 1
Peroxide value (mEq O₂ / kg): max 10
Iodine value(g I₂ / 100g): 70 -80
Saponification value: 190 - 200
Unsaponifiable : max 1,5 %

Composition

C14:0 Myristic acid : max 1,5 %
C16:0 Palmitic acid : 5 - 12 %
C16:1 Palmitoleic acid : 13 - 30 %
C18:0 Stearic acid : 2 - 6 %
C18:1 Oleic acid : 52 - 68 %
C18:2 Linoleic acid : 1 - 8 %
C18:3 Linolenic acid : max 1 %
C20:0 Arachidic acid: 1 - 4 %
C20:1 Ecosenoic acid : 1 - 4 %
C22:0 Behenic acid : max 1 %
C22:1 Erucic acid : max 1 %
C24:0 Lignoceric acid : max 1 %

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 : 2 year 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 °C

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Technical data sheet

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.