



TECHNICAL DATA SHEET

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ORGANIC MACADAMIA NUT OIL

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

EXAFLOR
5 rue des Pyrénées
P.O. Box CP 30561
94653 Rungis Cedex - France
T +33 (0)1 41 73 23 10 - F +33 (0)1 41 73 23 19
exaflor@orange.fr - www.exaflor.fr

Name : ORGANIC MACADAMIA NUT OIL
Product code : MACHV01_BIO
Origin : Africa

SECTION 2: PRODUCTION PROCESS

Manufacture : Cold expression of Macadamia's almonds by mechanic pressure and filtration.

SECTION 3: REGULATORY SITUATION

Identification of the product : Vegetable oil
Botanical name : Macadamia integrifolia Maiden & Betche (syn. M. ternifolia var. integrifolia Maiden & Betche)
INCI Name : MACADAMIA INTEGRIFOLIA SEED OIL
Synonyms : Japan : Macadamia nut oil 521074
Customs code for technical use : 15 15 90 60 00
CAS-No. : 438545-25-6

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : Liquid Clear.
Colour : Yellow. light brown.
Odour : characteristic.
Flash point : > 240 °C
Relative density : 0,905 – 0,93
Refractive index : 1,455 – 1,47
Optical rotation : N.A. °
Solubility : Soluble in. Ethers. Insoluble in water.

Acid value (mg KOH / g): max 4
Peroxide value (mEq O₂ / kg): max 10
Iodine value(g I₂ / 100g): 50 - 90
Saponification value: 180 - 200

Composition : C16:0 Palmitic acid : 5 - 12 %
C16:1 Palmitoleic acid : 15 - 30 %
C18:0 Stearic acid : 2 - 6.0 %
C18:1 Oleic acid : 50 - 67 %
C18:2 Linoleic acid : 1 - 8 %
C20:0 Arachidic acid: 1 - 4 %
C20:1 Ecosenoic acid : 1 - 4 %

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 : Heat sources, Direct sunlight. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
Maximum storage period : 18 months At the best before date, the oil preserves all its characteristics. Its manufacturing process, its conditioning, as well as the applied storage are studied to allow, if necessary, a possible extent of its validity by reanalyzing of its characteristics.
Storage temperature : ≤ 18 °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.