



TECHNICAL DATA SHEET

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ORGANIC VIRGIN COCONUT OIL

Version: 1.2

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

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Name : ORGANIC VIRGIN COCONUT OIL
Product code : COCHV01_BIO

SECTION 2: PRODUCTION PROCESS

Manufacture : Fatty oil obtained from the dried endosperm of Cocos nucifera by pressure

SECTION 3: REGULATORY SITUATION

Botanical name : Cocos nucifera L.
INCI Name : COCOS NUCIFERA OIL
CAS-No. : 8001-31-8
EC-No. : 232-282-8

SECTION 4: Physical and chemical properties

Physical state : Solid.
Appearance : Solid at room temperature (~ 20 °C), slightly turbid liquid at temperatures > 30 °C.
Colour : white. light yellow.
Odour : characteristic.

Flash point : 200 °C
Melting point : 25 – 28 °C
Relative density : 0,908 – 0,921
Refractive index : 1,448 – 1,45

Optical rotation :
Solubility : Insoluble in water. Soluble in. Ethers. Solubility in ethanol. Soluble in oil.

Acid value (mg KOH / g): max 4
Peroxide value (mEq O₂ / kg): < 20
Iodine value(g I₂ / 100g): 6.5-11
Saponification value: 245-265

Composition

C6:0 Caproic acid : max 1.5 %
C8:0 Caprylic acid : 2.0 – 11.5 %
C10:0 Capric acid : 4.6 – 11.0 %
C12:0 Lauric acid : 40.0 – 60.0 %
C14:0 Myristic acid : 13.0 – 25.0 %
C16:0 Palmitic acid : 6.0 – 12.0 %
C18:0 Stearic acid : 1.0 – 5.0 %
C18:1 Oleic acid : 3.0 – 12.0 %
C18:2 Linoleic acid : 1.0 – 3.0 %
C18:3 Linolenic acid : max 0.5 %
C20:0 Arachidic acid: max 0.5 %

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 : 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

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.