



TECHNICAL DATA SHEET

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VIRGIN ORGANIC SAFFLOWER OIL

Version: 1.5

Supersedes version of:
22/01/2021

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

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Name : VIRGIN ORGANIC SAFFLOWER OIL
Product code : BCARHV01

SECTION 2: PRODUCTION PROCESS

Manufacture : Fatty oil obtained from seeds of *Carthamus tinctorius* by pressure followed by refining.

SECTION 3: REGULATORY SITUATION

Botanical name : *Carthamus tinctorius* L.
INCI Name : CARTHAMUS TINCTORIUS SEED OIL
CAS-No. : 8001-23-8
EC-No. : 232-276-5

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : Liquid.
Colour : Yellow.
Odour : characteristic. slight.
Flash point : 288 °C
Melting point : Not applicable
Boiling point : > 350 °C
Relative density : +/- 0,92 (0,91 – 0,93)
Refractive index : 1,46 – 1,476
Optical rotation :
Solubility : Soluble in. alcohol. Insoluble in water.

Composition :
Acid value (mg KOH / g): max 5
Peroxide value (mEq O₂ / kg): max 15
Iodine value(g I₂ / 100g): 55-95
Saponification value : 135-155
C16:0 Palmitic acid : 4-10 %
C18:0 Stearic acid : 1-5 %
C18:1 Oleic acid : 7-22 %
C18:2 Linoleic acid : 60-83.2 %

SECTION 5: Handling and storage

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Storage conditions : Store in a well-ventilated place. Keep cool.
Maximum storage period : 18 months
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.