



TECHNICAL DATA SHEET

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REFINED SAFFLOWER OIL

Version: 1.4

Supersedes version of:
21/01/2021

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

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Name : REFINED SAFFLOWER OIL
Product code : CARHV01

SECTION 2: PRODUCTION PROCESS

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

SECTION 3: REGULATORY SITUATION

Identification of the product : Vegetable oil
Botanical name : *Carthamus tinctorius* L.
INCI Name : CARTHAMUS TINCTORIUS SEED OIL
CAS-No. : 8001-23-8
EC-No. : 232-276-5
CEE : 110n

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : Liquid.
Colour : Yellow.
Odour : characteristic. slight.
Flash point : 288 °C
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): 130-155
Saponification value : 185-195
C16:0 Palmitic acid : 4-10 %
C18:0 Stearic acid : 1-5 %
C18:1 Oleic acid : 8-30 %
C18:2 Linoleic acid : 60-84 %

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 : 18 months
Storage temperature : < 18 °C
Storage area : Store in a well-ventilated place. Keep away from any flames or sparking source. Keep in the dark. Store away from heat.
Special rules on packaging : Keep in the original container if possible. Never return spills in original containers for possible later re-use. Store in a closed container.

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.