



TECHNICAL DATA SHEET

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REFINED SUNFLOWER OIL

Version: 1.1

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

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Name : REFINED SUNFLOWER OIL
Product code : TOUHV01
Origin : France, Europe

SECTION 2: PRODUCTION PROCESS

Manufacture : Fatty oil obtained from the seeds of *Helianthus annuus* by mechanical pressure and/or by an extraction, followed by a refining

SECTION 3: REGULATORY SITUATION

Botanical name : *Helianthus annuus*
INCI Name : HELIANTHUS ANNUUS SEED OIL
CAS-No. : 8001-21-6
EC-No. : 232-273-9

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Colour : light yellow.
Odour : characteristic. Neutral.
Flash point :
Relative density : 0,91 – 0,93
Refractive index : 1,46 – 1,485
Optical rotation :
Solubility : Insoluble in water. Soluble in. Ethers. Insoluble in: alcohol.

Composition : Acid value (mg KOH / g): max 1
Peroxide value (mEq O₂ / kg): max 10
Water % : 0.1%
Unsaponifiable : max 1,5 %
C16:0 Palmitic acid : 4 - 9 %
C16:1 Palmitoleic acid : Max 1 %
C18:0 Stearic acid : 1 - 10 %
C18:1 Oleic acid : 14 - 40 %
C18:2 Linoleic acid : 48 - 74 %
C18:3 Linolenic acid : max 1 %
C20:0 Arachidic acid: Max 1 %
C22:0 Behenic 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 : 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 (5 – 25) °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.