



## TECHNICAL DATA SHEET

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## ROSEHIP CANINA OIL

Version: 1.3

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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  
[exaflor@orange.fr](mailto:exaflor@orange.fr) - [www.exaflor.co](http://www.exaflor.co)

**Name** : ROSEHIP CANINA OIL  
**Product code** : RMUHV01

### SECTION 2: PRODUCTION PROCESS

**Manufacture** : CO2 extraction or Cold Press of the seeds of Rosa canina

### SECTION 3: REGULATORY SITUATION

**Botanical name** : Rosa canina  
**INCI Name** : ROSA CANINA FRUIT OIL  
**Synonyms** : CAS N° : 84603-93-0  
**CAS-No.** : 84696-47-9  
**EC-No.** : 283-652-0

### SECTION 4: Physical and chemical properties

**Physical state** : Liquid.  
**Appearance** : Clear.  
**Colour** : orange. red. Yellow.  
**Odour** : characteristic.  
**Flash point** : > 300 °C  
**Relative density** : 0,91 – 0,95  
**Refractive index** : 1,47 – 1,49  
**Optical rotation** :  
**Solubility** : Soluble in. Ethers. Insoluble in water.

Acid value (mg KOH / g): max 4  
Peroxide value (mEq O<sub>2</sub> / kg): max 10  
Iodine value (g I<sub>2</sub> / 100g): 150-195  
Unsaponifiable matter (%): max 1.5

#### Composition

**FATTY ACIDS**  
C16:0 Palmitic acid : 2 - 11 %  
C16:1 Palmitoleic acid : < 1%  
C18:0 Stearic acid : 1 - 5 %  
C18:1 Oleic acid : 10 - 25 %  
C18:2 Linoleic acid : 35 - 65 %  
C18:3 Linolenic acid : 18 - 38 %  
C20:0 Arachidic acid : < 2.5 %  
C20:1 Eicosenoic acid : 2 %  
C22:0 Behenic acid : < 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** : 12 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.*