

01. PRODUCT AND COMPANY IDENTIFICATION

Trade name	: OLIVEM 900
Applications	: non ionic, not ethoxylated emulsifying system derived from olive oil for W/O creams and lotions
INCI Name	: SORBITAN OLIVATE
Chemical Composition	: sorbitan ester of Olive Oil fatty acids
CAS Number	: 223706-40-9
Legislative approval	: world-wide
Company	: B & T Srl - Via O. da Tresseno, 9 - 20127 MILANO - Italy Tel. 0039.02.26142044 - Fax 0039.02.26142060

02. COMPOSITION / INFORMATION ON INGREDIENTS

Composition	: product is not obliged to carry any label, according to regulation 67/548/CEE, governing hazardous substances.
Symbols	: not required
R Phrases	: not required

03. HAZARD IDENTIFICATION

Hazards	: no hazard in normal use
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04. FIRST AID MEASURES

Skin contact	: rinse with running water and soap; remove contaminated clothes.
Eye contact	: irrigate eye with clean water for 15 minutes; seek medical attention if necessary.
Ingestion	: do not induce vomiting; if gastric symptoms persists, seek medical attention.
Inhalation	: no particular effect

05. FIRE FIGHTING MEASURES

- Suitable**..... : water, CO2, foam,
Not suitable..... : none
Combustion hazards..... : if product is involved in a fire, toxic smokes might develop
Special fire fighting procedures..... : dispense extinguishing agent at base of flame

06. ACCIDENTAL RELEASE MEASURES

- Personal precautions**..... : wear protective equipment suitable to emergency
Environmental precautions.. : contain leaks. If product has flowed into the ground, advise local authority.
Method of clean up..... : scoop up and then clean floor with soap and water

07. HANDLING AND STORAGE

- Handling**..... : good factory practise
Storage..... : store product into original containers or in plastic, plastic or stainless containers, at a temperature between 5 and 35°C.
Stocking areas..... : good factory practise

08. EXPOSURE CONTROL / PERSONAL PROTECTION

- Special cautions**..... : none
Respiratory protection..... : not required
Hand protection..... : not required
Eye protection..... : not required
Skin and body protection.... : use protective suitable clothes
Limit of exposure..... : none

09. PHYSICAL AND CHEMICAL PROPERTIES

Form@ 20°C	: flakes, waxy solid
Color	: ivory
Odor	: slight, characteristic
Active Substance	: 99.0 min
Water Content	: <1.0 max
Acid Value	: 10 - 30
HLB	: 4.7
Saponification Value	: 160 -190
Melting point	: 65 - 75°C
Additives and preservatives	: none

10. STABILITY AND REACTIVITY

Conditions to avoid	: product is stable at normal conditions
Materials to avoid	: none
Hazardous decomposition products	: product does not degrade in normal conditions

11. TOXICOLOGICAL INFORMATION

Oral acute toxicity	: data taken from literature about analogue products indicate a very low toxicity for this group of substances: DL50 > 5000 mg/Kg PRODUCT HAS NOT BEEN TESTED ON ANIMALS
Others	: results on tests leaded in vitro (RBC test) and in vivo on human volunteers with Patch test allow to define the product as <i>not toxic</i> and <i>not irritant</i> .

12. ECOLOGICAL INFORMATION

Biodegradability	: > 90%
Cautions	: use product according to good working practice.

13. DISPOSAL CONSIDERATION

Method of disposal	: recover the product if possible. Operate according to local regulations.
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14. TRANSPORT INFORMATION

Transport	: not hazardous
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15. REGULATORY INFORMATION

Regulation	:	law 67/548/CEE and DM 04.04.1997 (classification and labelling of hazardous substances).
Symbols	:	not required
R phrases	:	not required
S phrases	:	not required

This bulletin has been written according to the following regulations:

Law 163/83 (Surfactants Biodegradability)

DPR 250/89 (Surfactants Labelling)

16. OTHER INFORMATION

The CIR Expert Panel concludes that Sorbitan Fatty Acid Esters are safe for use as cosmetic ingredient under the present practises of use (Cosmetic Ingredient Review, USA) June 14,1999 Bibliography:

NIOSH - Registry of toxic effects of chemical substances (1983)

N.I. Sax - Dangerous properties of industrial materials - VNR

CESIO - Classification and Labelling of Surfactants (1990)

DM - 16th February 1993 (Hazardous Substances Classification)

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