

01. PRODUCT AND COMPANY IDENTIFICATION

Trade name	: OLIVEM 300
Applications	: non ionic surface active ingredient derived from olive oil with emollient, solubilising and co-emulsifying properties. To be used in toiletries, shampoos and creams.
INCI Name	: OLIVE OIL PEG-7 ESTERS
CAS Number	: 226708-41-4
Chemical Composition	: PEG ester of olive oil glycerides
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 with sand. If product has flowed into the ground, advise local authority.
Method of clean up..... : place dry, absorbent material on oil spill and then scoop up

07. HANDLING AND STORAGE

- Handling**..... : avoid contact with skin and eyes
Storage..... : store product into original containers or in plastic, plasticized 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**..... : clear liquid
Color Gardner..... : 4 max
Odor..... : slight, characteristic
pH sol. 5%..... : 5 - 7
Viscosity @ 25° C..... : 170 - 250 cPs
Acid Value..... : 3.0 max
Active substance %..... : 99.0% min
Water Content %..... : 1.0 max
HLB..... : 11.0
Saponification Value..... : 70 - 100
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 > 4 g/Kg. PRODUCT HAS NOT BEEN TESTED ON ANIMALS
Others..... : results on tests leaded in vitro (RBC Test) and on human volunteers with Patch test allow to define the product as *not toxic* and *not irritant*.

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.

14. TRANSPORT INFORMATION

- Transport**..... : not hazardous

15. REGULATORY INFORMATION

Regulation	:	law 67/548/CEE and DM 4.04.1997 (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

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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