



State of the Art Ingredients • Fast Friendly Service

## EmulSoft

### SECTION 1 :: PRODUCT IDENTIFICATION

**Product details:**

- Trade name: EmulSoft
- Chemical description: Fatty acids esters and polyglycerols.

### SECTION 2 :: DATA ON COMPONENTS

**Chemical characterization:**

Fatty acids esters and polyglycerol.

- Components : CAS No : EINECS No :  
Polyglyceryl-6 Distearate 61725-93-7 Not applicable

- Dangerous components:  
None

### SECTION 3 :: HAZARDS IDENTIFICATION

Hazard description: None

### SECTION 4 :: FIRST AID MEASURES

- **General information:**  
No special measures required.
- **After inhalation**  
No special measures required.
- **After skin contact**  
Wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Drink copious amounts of water and provide fresh air. If necessary call for doctor.



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### SECTION 5 :: FIRE FIGHTING MEASURES

- **Suitable extinguishing agents**  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **Protective equipment:**  
No special measures required.

### SECTION 6 :: ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:**  
Not required.  
Particular danger of slipping on leaked/spilled product .
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course .
- **Measures for cleaning/collecting:**  
Allow to solidify. Pick up mechanically.  
Wash with warm water.

### SECTION 7 :: HANDLING AND STORAGE

- **Handling**
  - Information for safe handling:  
No special measures required .
  - Information about protection against explosions and fires:  
Keep ignition sources away - Do not smoke .
- **Storage**
  - Requirements to be met by storerooms and receptacles:  
No special requirements.

### SECTION 8 :: EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Breathing equipment:** No necessary
- **Hand protection :** Protective gloves
- **Eye protection :** Safety glasses
- **Body protection :** Protective work clothing

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### SECTION 9 :: PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	waxy solid
<b>Colour:</b>	White-yellow
<b>Odour:</b>	Light
<b>Melting point/Melting range:</b>	48°C - 53°C (METTLER)
<b>Boiling point/Boiling range:</b>	> 150°C
<b>Flash point:</b>	> 150°C
<b>Self igniting:</b>	Product is not selfigniting.

Solubility in I Miscibility with

<b>Water:</b>	Dispersible.
<b>Organic solvents:</b>	Soluble in many organic solvents.

### SECTION 10 :: STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions**  
Reacts with strong acids and oxidizing agents.
- **Dangerous products of decomposition:**  
Incomplete combustion releases monoxyd carbon and dioxyd carbon.

### SECTION 11 :: TOXICOLOGY INFORMATION

- Repeated insult patch test:

<b>Concentration:</b>	10 %
<b>Diluent:</b>	Water
<b>Expert conclusion :</b>	Non sensitizing
- Epicutaneous single patch test:

<b>Concentration:</b>	10 (TOX 91312)
<b>Diluent:</b>	Water
<b>Expert conclusion :</b>	Very well tolerated
- Repeated epicutaneous applications:

<b>Concentration:</b>	10 %
<b>Diluent:</b>	Water
<b>Expert conclusion :</b>	Well tolerated
- Ocular tolerance assessment (according to the HET CAM method) :

<b>Concentration :</b>	Pure
<b>Expert conclusion :</b>	Very well tolerated

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### SECTION 12 :: ECOLOGY INFORMATION

• General notes:

At present there are no ecotoxicological assessments.

• **Indications about product :**

The product hydrolyses oneself into environment following compounds.

FATTYACIDS:

**Data about elimination :**

Biodegradable (OECD classification).

Ecological effects :

**Acute toxicity towards fishes :**

LC a  $\geq$  100 mg prod./l

**Acute toxicity towards bacteriums :**

EC a  $\geq$  100 mg prod./l

POLYGLYCERIN :

- Data about elimination:

Easily biodegradable.

- Ecological effects:

**Toxicity towards fishes:**

LC 50 : > 1000 mg/1/96h (Poecilia reticulata)

**Toxicity towards aquatic invertebrates:**

LC 50 : > 1000 mg/l/48h (Daphnia magna) .

**Toxicity towards seaweeds:**

Lc 50 : > 1000 mg/1/96h

(Selenastrum capricornatum)

### SECTION 13 :: DISPOSAL CONSIDERATIONS

• Recommendation about product:

Must be disposed of an incinerator.

• Recommendation:

Disposal must be made according to official regulations.

### SECTION 14 :: TRANSPORT INFORMATION

• **Land transport ADR/RID (cross-border)**

Not restricted

• **Inland shipping ADN:**

Not restricted

• **Maritime transport IMDG:**

Not restricted

• **Air transport ICAO-TI and IATA-DGR:**

Not restricted



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### SECTION 15 :: REGULATIONS

• **Markings according to EU guidelines:**

The substance is not subject to classification according to the Directives 67/548/EEC and 88/379/EEC.

All compounds of the substance are recorded into european inventory EINECS (European Inventory of Existing Chemical Substances)-Directives 79/831/EEC, sixth modification of directive 67/548/EEC.

• **International rules:**

- USA:

All compounds of the substance are recorded in the US inventory: TSCA (Toxic Substance Control Act).

- Germany:

Wassergefahrdungsklasse (WGK) : 1 (little polluting)

### SECTION 16 :: COMMENTS

Disclaimer

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