

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

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**PRODUCT NAME:** SYNPERONIC 91/6

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**PRODUCT DESCRIPTION**

Fatty alcohol ethoxylate

HAZARDOUS INGREDIENT(S)	CAS No.	% (w/w)	Symbol	R Phrases
Fatty alcohol ethoxylate	-	100	Xn	R22 R41

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**3. HAZARDS IDENTIFICATION**

This product has been assessed in accordance with the CESIO recommendations for the classification and labelling of surfactants (1999).

Harmful if swallowed.

Risk of serious damage to eyes.

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**4. FIRST-AID MEASURES**

Inhalation: Remove patient from exposure, keep warm and at rest. Obtain medical attention if ill effects occur.

Skin Contact: Remove contaminated clothing.

Wash skin with water.

If symptoms (irritation or blistering) occur obtain medical attention.

Eye Contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.

Obtain immediate medical attention.

**Further Medical Treatment**

Symptomatic treatment and supportive therapy as indicated.

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**5. FIRE-FIGHTING MEASURES**

Combustible.

Extinguishing Media: water spray, foam, dry powder or CO2.  
Fire Fighting Protective Equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

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**6. ACCIDENTAL RELEASE MEASURES**

Do not allow to enter drains, sewers or watercourses.  
Adsorb spillages onto sand, earth or any suitable adsorbent material.  
Transfer to a container for disposal.  
Wash the spillage area with water.  
Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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**7. HANDLING AND STORAGE**

**7.1 HANDLING**

Avoid contact with eyes.  
Avoid inhalation of high concentrations of mists.

**7.2 STORAGE**

Suitable containers: mild steel, stainless steel  
Unsuitable containers: cast iron

Storage Temperature: above 5 Deg C  
Storage Life: Total storage life at recommended conditions: 24 month(s)

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye Protection: Wear eye/face protection.

**Occupational Exposure Limits**

<b>HAZARDOUS INGREDIENT(S)</b>	<b>LTEL 8hr ppm</b>	<b>TWA mg/m<sup>3</sup></b>	<b>STEL ppm</b>	<b>STEL mg/m<sup>3</sup></b>	<b>Notes</b>
No Occupational Exposure Limit Assigned					

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: liquid ( at 25 Deg C )  
Colour: colourless / white  
Odour: mild  
Odour Threshold (ppm): No data.  
pH (Value): 6.6 approx (1% aqueous solution )  
Boiling Point (Deg C): No data.  
Melting Point (Deg C): No data.  
Flash Point (Deg C): 147 approx (open cup)  
Flammable Limits: No data.  
Auto Ignition Temperature (Deg C): 370 approx

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Explosive Properties:	No data.
Oxidising Properties:	No data.
Vapour Pressure (Pascals):	<13
Density (g/ml):	0.992 approx ( at 20 Deg C )
Solubility (Water):	soluble
Solubility (Other):	No data.
Partition Coefficient:	No data.
Pour Point (Deg C):	2 approx
Cloud Point (Deg C):	48 - 56 (1% aqueous solution )
Viscosity (mPa.s):	50.4 approx ( at 20 Deg C )

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## 10. STABILITY AND REACTIVITY

Hazardous Reactions: Incompatible materials: strong oxidising agents, strong acids, alkalis

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## 11. TOXICOLOGICAL INFORMATION

This product has been assessed in accordance with the CESIO recommendations for the classification and labelling of surfactants (1999).

### Inhalation

High concentrations of mist may be irritant to the upper respiratory tract.

### Skin Contact

May cause skin irritation.

### Eye Contact

Risk of serious damage to eyes.

### Ingestion

Harmful if swallowed.

Ingestion may cause irritation of the gastrointestinal tract.

### Long Term Exposure

No information available.

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## 12. ECOLOGICAL INFORMATION

This environmental hazard assessment is based on information available on similar products.

### Environmental Fate and Distribution

The product is soluble in water.

### Persistence and Degradation

Dissolved Organic Carbon Removal (DOC removal) (Modified OECD Guideline 301E) 94%

This surfactant complies with the minimum 80% biodegradability requirement of the EEC non-ionics directive 82/242.

### Toxicity

By comparison with analogous products, a value in the following range is anticipated.

LC50 (rainbow trout) (96 hour) (semi-static) 10-100mg/l

By comparison with analogous products, a value in the following range is anticipated.

EC50 (Daphnia magna) (48 hour) 5-25 mg/l

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**WGK number**

WGK 2 (VwVwS)

**Effect on Effluent Treatment**

The product is anticipated to be substantially removed in biological treatment processes.

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**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION**

Not Classified as Hazardous for Transport.

UN Class - Primary: UNIDENTIFIED SHORT CODE +UC

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**15. REGULATORY INFORMATION**

EC Classification: HARMFUL

Hazard Symbol: Xn

Risk Phrases: R22: Harmful if swallowed.  
R41: Risk of serious damage to eyes.

Safety Phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39: Wear eye/face protection.

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**16. OTHER INFORMATION**

This data sheet was prepared in accordance with Directive 93/112/EC.

The following sections contain revisions or new statements: 2,3,4,7,8,11,12,14,15.

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