

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

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**PRODUCT NAME:** SYNPERONIC LF/RA280

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### PRODUCT DESCRIPTION

Alcohol alkoxyolate

HAZARDOUS INGREDIENT(S)	CAS No.	% (w/w)	Symbol	R Phrases
Alkoxylated alcohol		100	N	R50

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## 3. HAZARDS IDENTIFICATION

Very toxic to aquatic organisms.  
May cause eye irritation in man.

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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 develop, obtain medical attention.

Eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.  
Obtain medical attention.

Ingestion: Do not induce vomiting.  
Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.  
Obtain medical attention if ill effects occur.

### Further Medical Treatment

Symptomatic treatment and supportive therapy as indicated.

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**5. FIRE-FIGHTING MEASURES**

Low fire hazard. Unlikely to ignite except in high heat flux conditions.

Extinguishing Media: As appropriate for surrounding materials/equipment. Use water with care to avoid possible violent production of steam.

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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 skin and eyes.

Avoid inhalation of high concentrations of mists.

**7.2 STORAGE**

No special requirements.

Suitable containers: mild steel

Storage Temperature: approx 20 Deg C

Storage Life: Total storage life at recommended conditions: 1 year(s)

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Good working practice suggests gloves and goggles should be worn.

**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 20 Deg C
Colour:	100 Hazen units (Max)
Odour:	mild
Odour Threshold (ppm):	No data.
pH (Value):	5 - 7.5 (1% aqueous )
Boiling Point (Deg C):	No data.
Melting Point (Deg C):	-15
Flash Point (Deg C):	212 (open cup)
Flammable Limits:	No data.
Auto Ignition Temperature (Deg C):	370
Explosive Properties:	No data.
Oxidising Properties:	No data. at 20 Deg C

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Vapour Pressure (Pascals):	<1333 at 20 Deg C
Density (g/ml):	0.97 at 20 Deg C
Solubility (Water):	slightly soluble ( approx 1g/100g)
Partition Coefficient:	No data.
Cloud Point (Deg C):	22 (1% aqueous )
Viscosity (mPa.s):	73 at 20 Deg C

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## 10. STABILITY AND REACTIVITY

Hazardous Reactions:	Incompatible materials: strong acids, alkalis, strong oxidising agents
Hazardous Decomposition Product(s):	None known.

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## 11. TOXICOLOGICAL INFORMATION

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

### Inhalation

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

### Skin Contact

Repeated and/or prolonged contact may cause irritation.

### Eye Contact

May cause eye irritation.

### Ingestion

Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

### Long Term Exposure

No information available.

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## 12. ECOLOGICAL INFORMATION

### Environmental Fate and Distribution

The product is sparingly soluble in water.

### Persistence and Degradation

Biodegradability (porous pot) (Bismuth active substance) 90%

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

### Toxicity

EC50 (Daphnia magna) (48 hour) 0.46mg/l

The no effect concentration was 0.32mg/l

### WGK number

WGK 2 (official classification)

### 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

UN No.:	3082
UN Pack. Group:	III
UN Class - Primary:	9
AIR	
ICAO/IATA	
-primary:	9
SEA	
IMDG	
-primary:	9
Marine Pollutant:	Classified as a Marine Pollutant
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(alcohol alkoxyate)
Road/Rail	
ADR/RID Class:	9
ADR/RID Item No:	11(c)

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### 15. REGULATORY INFORMATION

EC Classification:	DANGEROUS FOR THE ENVIRONMENT
Hazard Symbol:	N
Risk Phrases:	R50: Very toxic to aquatic organisms.
Safety Phrases:	S57: Use appropriate containment to avoid environmental contamination.

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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: 7.

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