

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

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**PRODUCT NAME:** SYNPERONIC LF/RA290

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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	R50/53

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## 3. HAZARDS IDENTIFICATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: liquid  
Colour: 100 Hazen units (Max)  
Odour: mild  
pH (Value): 5 - 7.5 (1% aqueous solution )  
Boiling Point (Deg C): No data.  
Melting Point (Deg C): No data.  
Flash Point (Deg C): 211 C.O.C (open cup)  
Flammable Limits: No data.  
Auto Ignition Temperature (Deg C): 350

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Explosive Properties:	No data.
Oxidising Properties:	No data.
Density (g/ml):	0.97
Solubility (Water):	soluble
Solubility (Other):	No data.
Partition Coefficient:	No data.
Freezing Point (Deg C):	-11
Cloud Point (Deg C):	26 - 30 (1% aqueous solution )
Viscosity (mPa.s):	53.6 at 25 Deg C ^VI29.1! at 40 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 irritant to the upper respiratory tract.

### Skin Contact

Repeated and/or prolonged contact may cause irritation.  
Unlikely to be hazardous by skin absorption.

### 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 soluble in water.

### Persistence and Degradation

This surfactant complies with the minimum 80% biodegradability requirement of the EEC non-ionics directive 82/242.  
Biodegradability (OECD 301B) Carbon dioxide evolution 35%  
Biodegradability (porous pot) (Bismuth active substance) 95%

### Toxicity

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Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
LC50 (rainbow trout) (96 hour) (static) 1.1 mg/l  
LC0 (rainbow trout) (48 hour) (static) 0.56 mg/l  
EC50 (Daphnia magna) (48 hour) 0.55 mg/l  
EC0 (Daphnia magna) (48 hour) 0.32 mg/l

**WGK number**

WGK 2 (official classification)

**Effect on Effluent Treatment**

The product is 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:	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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