

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

PRODUCT NAME: SYNPERONIC 13/6.5

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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

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.

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.
Continue irrigation until medical attention can be obtained.
- 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.
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Further Medical Treatment

Symptomatic treatment and supportive therapy as indicated.

5. FIRE-FIGHTING MEASURES

Combustible but not readily ignited.

Combustion products: carbon monoxide, carbon dioxide

Extinguishing Media: carbon dioxide or dry powder
Use water fog to cool below flash point.

Fire Fighting Protective Equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

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.

7. HANDLING AND STORAGE

7.1 HANDLING

Avoid contact with eyes.

7.2 STORAGE

Suitable containers: mild steel, stainless steel

Storage Temperature: ambient temperatures

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear eye/face protection.

Occupational Exposure Limits

HAZARDOUS INGREDIENT(S)	LTEL 8hr ppm	TWA mg/m³	STEL ppm	STEL mg/m³	Notes
No Occupational Exposure Limit Assigned					

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid at 25 Deg C
Colour: hazy
Odour: mild
pH (Value): 6 - 8 (10g/l aqueous solution)
Boiling Point (Deg C): No data.
Melting Point (Deg C): No data.
Flash Point (Deg C): 160
Flammable Limits: No data.

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Auto Ignition Temperature (Deg C):	No data.
Explosive Properties:	No data.
Oxidising Properties:	No data.
Vapour Pressure (mm Hg):	No data.
Density (g/ml):	0.991 at 50 Deg C
Solubility (Water):	soluble
Solubility (Other):	No data.
Partition Coefficient:	No data.
Pour Point (Deg C):	3
Viscosity (mPa.s):	260 at 20 Deg C

10. STABILITY AND REACTIVITY

Hazardous Reactions:	Incompatible materials: strong oxidising agents
Hazardous Decomposition Product(s):	carbon monoxide, carbon dioxide

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.
May cause permanent damage if eye is not immediately irrigated.

Ingestion

Harmful if swallowed.
Ingestion may cause irritation of the gastrointestinal tract.

Long Term Exposure

No information available.

12. ECOLOGICAL INFORMATION

This environmental hazard assessment is based on information available on similar substances and actual tests.

Environmental Fate and Distribution

The product is soluble in water.

Persistence and Degradation

Biological Oxygen Demand (BOD 28 DAY/COD) 25% (OECD 301C)
Dissolved Organic Carbon Removal (DOC removal) 79% (OECD 301C)
Biodegradability (porous pot) (Bismuth active substance) 96%
The substance is substantially biodegradable in water.
This surfactant complies with the minimum 80% biodegradability requirement of the EEC non-ionics directive 82/242.

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Toxicity

LC50 (rainbow trout) (96 hour) (semi-static) 5.6 mg/l

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

EC50 (Daphnia magna) (48 hour) 2-10mg/l

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

EC50 (algae) (96 hours) 2-10mg/l

WGK number

WGK 2

Effect on Effluent Treatment

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not Classified as Hazardous for Transport.

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.

16. OTHER INFORMATION

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

The following sections contain revisions or new statements: 2,3,4,7,8,9,11,12,14,15.

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