

# Safety Data Sheet

## Section 1: Identification of the substance/mixture and of the company/undertaking

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### 1.1 Product identifier

FluoSurf™ S

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Laboratory Chemical

### 1.3 Details of the supplier of the safety data sheet

Emulseo  
Cheminnov - 14 avenue Pey Berland  
33600 Pessac  
France  
contact@emulseo.com

### 1.4 Emergency telephone number

In case of emergency: +33(0) 535 541 006

## Section 2: Hazards identification

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### 2.1 Classification of the substances or mixture

Classification according to regulation (EC) no. 1272/2008 [CLP/GHS]  
Not Classified

### 2.2 Label elements

Not applicable

### 2.3 Other hazards

No known hazards. However, the product must be used in accordance with instructions for use

## Section 3: Composition

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### 3.1 Substances

Type: polyhexafluoropropylene oxide-*block*-polypropylene glycol-*block*-polyethylene glycol-*block*-polypropylene glycol-*block*-polyhexafluoropropylene oxide

No.-CAS: None

No.-EC: None

### 3.2 Mixtures

Not applicable

## Section 4: First aid measures

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### 4.1 Description of the first aid measures

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if

present and easy to do so. Seek medical attention if irritation arises.

INHALATION: Product is non-volatile and of high viscosity

SKIN CONTACT: Wash with soap and water. If irritation or rash develops, seek medical attention.

INGESTION: If swallowed, DO NOT INDUCE VOMITING. May enter airways. Rinse mouth

with water and drink cup of water. If continued discomfort, seek medical attention.

#### **4.2 Most important symptoms and effects, both acute and delayed**

EYE CONTACT: No known symptoms

INHALATION: No known symptoms

EYES: Discomfort if first aid not administered

INGESTION: Mild discomfort and possible reaction such as itching or redness

#### **4.3 Indication of any immediate medical attention and special treatments needed**

Dilute affected area. No special medical treatment needed

### **Section 5: Firefight measures**

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#### **5.1 Extinguishing media**

Product will not support combustion

Carbon dioxide, water spray, dry chemical for small fires, foam or water spray for large fire

#### **5.2 Special hazards arising from substances or mixture**

None

#### **5.3 Advice for fire fighters**

No special precautions

### **Section 6: Accidental releases measures**

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#### **6.1 Personal precautions, precaution equipment and emergency procedures**

Use individual protective equipment. Use gloves resistant to fluorinated solvent.

#### **6.2 Environmental precautions**

No special precautions. Avoid release to surface water

#### **6.3 Methods and materials for containment and clearing up**

Use absorbent material and place in a suitable container for disposal. Wash area with water and detergent

#### **6.4 References to other sections**

See section 8 for further advice on protective equipment section and section 13 for further advice on disposal.

### **Section 7: Handling and storage**

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#### **7.1 Precautions for safe handling**

Avoid contact with eye and skin.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep the product in a dark dry place. Keep the container tightly close when not in use.  
Moisture sensitive. Light sensitive.

## 7.3 Specific end uses

Use only as directed as a laboratory chemical

## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

Occupational exposure limit values  
No exposure limits

### 8.2 Exposure controls

Engineering controls  
Avoid contact with skin, eyes and clothing. Normal room ventilation is adequate  
Respiratory protection  
Not required for normal handling  
Hand protection  
Wear gloves suitable for fluorinated solvent. The gloves must be inspected prior to use.  
Eye protection  
Tightly fitting safety goggles  
Skin protection  
Handle with gloves resistant to fluorinated solvent  
General hygiene considerations  
Wash hands before breaks and immediately after handling the product.  
Environmental exposure controls  
Precautions should be taken to avoid accidental release of material to water courses.

## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: clear, viscous Colour: yellow
- b) Odour unpleasant
- c) Odour Threshold No data available
- d) pH No data available
- e) Melting point/freezing point Melting point/range: No data available
- f) Initial boiling point and boiling range No data available
- g) Flash point No data available
- h) Evaporation rate No data available
- i) Flammability (solid, gas) No data available
- j) Upper/lower flammability or explosive limits Upper explosion limit: No data available
- k) Vapour pressure No data available
- l) Vapour density No data available
- m) Relative density No data available
- n) Water solubility No data available
- o) Partition coefficient: No data available
- p) Auto-ignition temperature No data available
- q) Decomposition temperature No data available
- r) Viscosity No data available
- s) Explosive properties No data available

t) Oxidizing properties No data available

## 9.2 Other information

None

## Section 10: Stability and reactivity

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### 10.1 Reactivity

Functionally inert

### 10.2 Chemical Stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

Hazardous reaction will not occur.

### 10.4 Conditions to avoid

No special precautions

### 10.5 Incompatible materials

None known

### 10.6 Hazardous decomposition products

None known

## Section 11: Toxicology information

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### 11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have

been made based

upon consideration of its major components.

(a) acute toxicity Estimated to be of low acute toxicity. Not classified.

(b) skin corrosion/irritation Estimated to be slightly irritant to skin, but not classified.

(c) serious eye damage/irritation Estimated to be slightly irritant to eyes, but not classified.

(d) respiratory/skin sensitisation Not considered to be a potential skin sensitiser. Product not tested.

(e) germ cell mutagenicity This chemical class is not known to be mutagenic.

(f) carcinogenicity This chemical class is not known a carcinogen by IARC or U.S. ACGIH, NTP or OSHA.

(g) reproductive toxicity This chemical class is not known to be toxic for reproduction

(h) STOT-single exposure This chemical class is not considered hazardous to organs

(i) STOT-repeated exposure This chemical class is not considered hazardous to organs.

(j) aspiration hazard The solvents are of low viscosity, but not classified by supplier as Aspiration Toxic

## Section 12: Ecological information

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This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

### 12.1 Toxicity

This chemical class is not known to be toxic to aquatic organisms. The extremely low water solubility and high molecular weight will make exposure to aquatic organisms unlikely.

#### **12.2 Persistence and degradability**

Not considered to be biodegradable. Will persist.

#### **12.3 Bioaccumulative potential**

Not considered to be potentially bioaccumulative due to high molecular weight.

#### **12.4 Mobility in soil**

The product will not be mobile in the environment due to high molecular weight and low water solubility.

#### **12.5 Results of PBT and vPvB assessment**

The product is predicted to be persistent. It is not predicted to be bioaccumulate or toxic.

#### **12.6 Other adverse effect**

None

### Section 13: Disposal consideration

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#### **13.1 Waste treatment methods**

Recover and recycle product if possible. If recovery and recycling are not possible disposal to waste water treatment may be possible if in accordance with local regulations.

### Section 14: Transport information

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#### **14.1 Transport information**

Not hazardous for transportation

### Section 15: Regulatory information

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#### **15.1 Safety, health and environmental regulations/legislation specific for the substances or mixture**

No specific legislation

#### **15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out for this product. Chemical safety assessment has been performed on some of the components and no concerns noted in respect to the intended use of this product.

### Section 16: Other information

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#### **16.1 Revision information**

This is a new SDS

#### **16.2 List of abbreviation used in the SDS**

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008  
DSD Dangerous Substances Directive 67/548/EEC  
DPD Dangerous Preparations Directive 1999/45/EC EC European Commission  
PBT Persistent, Bioaccumulative and Toxic  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation  
(EC)  
no 1907/2006  
vPvB very Persistent, very Bioaccumulative

### **16.3 References**

#### **16.4 Method used for classification**

Consideration of starting reagents

#### **16.5 R Phrases and H Statements used in section 2 and/or 3**

#### **16.6 Training requirements for workers**

No special training requirements. For professional use only