

# SAFETY DATA SHEET

According to Regulations (EC) No. 2015/830 and 1907/2006

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

### 1.1. Product identifier

Product name: **FLOPAM™ CSP 11**

Type of product: Mixture

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

Identified uses: Processing aid for industrial applications.

Uses advised against: None.

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

Company: SNF (UK) Limited  
Solutions House, Ripley Close  
Normanton WF6 1TB  
United Kingdom

Telephone: 01924-311000

Telefax: 01924-311099

E-mail address: sds@snf.fr

### 1.4. Emergency telephone number

24-hour emergency number: +33 477 36 87 25

National Poison Information Service: NHS Direct: 0845 4647 or 111 (24/24, 7/7); Scotland: NHS 24 - 08454 24 24 24 (24/24, 7/7)

## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008:

Eye Irrit. 2;H319

### 2.2. Label elements

Labelling according to Regulation (EC) 1272/2008:

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

H319 - Causes serious eye irritation

Precautionary statement(s):

P280 - Wear eye protection/ face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/ attention

Additional elements:

None.

### 2.3. Other hazards

Aqueous solutions or powders that become wet render surfaces extremely slippery.

*PBT and vPvB assessment:*

Does not fulfil the criteria according to Annex XIII of REACH.

For explanation of abbreviations see Section 16.

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Not applicable, this product is not a substance.

### 3.2 Mixtures

#### Hazardous components

#### Alkyl ether sulfate C12-14, ethoxylated, sodium salt

Concentration/ gamme :

< 5%

EC-No.:

500-234-8

REACH Registration Number:

01-2119488639-16-XXXX

Classification according to Directive 67/548/EEC:

Xi;R38, Xi;R41

Classification according to Regulation (EC) No.1272/2008:

Skin Irrit. 2;H315, Eye Dam. 1;H318, Aquatic Chronic 3;H412

For explanation of abbreviations see section 16

## SECTION 4: First aid measures

SECTION 4: First aid measures*4.1. Description of first aid measures**Inhalation:*

Move to fresh air. No hazards which require special first aid measures.

*Skin contact:*

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.

*Eye contact:*

Alternatively, rinse immediately with Diphoterine®. Get prompt medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

*Ingestion:*

Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

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

Irritating to eyes. May cause skin irritation in susceptible persons.

*4.3. Indication of any immediate medical attention and special treatment needed.*

None under normal use.

*Other information:*

None.

SECTION 5. Fire-fighting measures*5.1. Extinguishing media**Suitable extinguishing media:*

Carbon dioxide (CO<sub>2</sub>). Dry powder. Water spray. Foam. Water.

*Unsuitable extinguishing media:*

None.

*5.2. Special hazards arising from the substance or mixture**Hazardous decomposition products:*

Thermal decomposition may produce: nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>).

*5.3. Advice for fire-fighters**Protective measures:*

Wear self-contained breathing apparatus and protective suit.

*Other information:*

Spills produce extremely slippery surfaces.

SECTION 6: Accidental release measures*6.1. Personal precautions, protective equipment and emergency procedures**Personal precautions:*

Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

*Protective equipment:*

Wear suitable protective clothing, gloves and eye/face protection.

*Emergency procedures:*

Keep people away from spill/leak.

*6.2. Environmental precautions*

As with all chemical products, do not flush into surface water. Do not contaminate water.

*6.3. Methods and material for containment and cleaning up**Small spills:*

Do not flush with water. Soak up with inert absorbent material.

*Large spills:*

Do not flush with water. Dam up. Clean up promptly by scoop or vacuum.

*Residues:*

After cleaning, flush away traces with water.

*6.4. Reference to other sections*

SECTION 7: Handling and storage; SECTION 8: Exposure controls/personal protection; SECTION 13: Disposal considerations;

SECTION 7. Handling and storage*7.1. Precautions for safe handling*

Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke.

*7.2. Conditions for safe storage, including any incompatibilities.*

Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

*7.3. Specific end use(s)*

None.

SECTION 8. Exposure controls/personal protection*8.1. Control parameters**National occupational exposure limits:*

None.

*Derived No and Minimum Effect Levels (DNELs/DMELs)**Alkyl ether sulfate C12-14, ethoxylated, sodium salt**Workers**Long-term systemic effects:*

*Skin contact* 2750 mg/kg/day

Inhalation 175 mg/m<sup>3</sup>

Consumers

*Long-term systemic effects:*

Ingestion 15 mg/kg/day

Skin contact 1650 mg/kg/day

Inhalation 52 mg/m<sup>3</sup>

Predicted no-effect concentrations (PNECs)

Alkyl ether sulfate C12-14, ethoxylated, sodium salt

Freshwater: 0.24 mg/l

Marine water: 0.024 mg/l

Intermittent release: 0.071 mg/l

Sewage treatment plant: 10000 mg/l

Sediment (freshwater): 5.45 mg/kg

Sediment (marine water): 0.545 mg/kg

Soil: 0.946 mg/kg

Oral (secondary poisoning): The product is not expected to bioaccumulate.

*8.2. Exposure controls*

Appropriate engineering controls:

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Individual protection measures, such as personal protective equipment:

*a) Eye/face protection:*

Safety glasses with side-shields.

*b) Skin protection:*

Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

*i) Hand protection:*

PVC or other plastic material gloves.

*c) Respiratory protection:*

No personal respiratory protective equipment normally required.

*d) Additional advice:*

Wash hands before breaks and at the end of workday. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Do not allow uncontrolled discharge of product into the environment.

SECTION 9. Physical and chemical properties*9.1. Information on basic physical and chemical properties*

<i>a) Appearance:</i>	Clear, colourless liquid.
<i>b) Odour:</i>	None.
<i>c) Odour Threshold:</i>	Not applicable.
<i>d) pH:</i>	5 - 8
<i>e) Melting point/freezing point:</i>	< 0°C
<i>f) Initial boiling point and boiling range:</i>	> 100°C
<i>g) Flash point:</i>	Does not flash.
<i>h) Evaporation rate:</i>	No data available.
<i>i) Flammability (solid, gas):</i>	Not applicable.
<i>j) Upper/lower flammability or explosive limits:</i>	Not expected to create explosive atmospheres.
<i>k) Vapour pressure:</i>	No data available.
<i>l) Vapour density:</i>	No data available.
<i>m) Relative density:</i>	1.0 - 1.1
<i>n) Solubility(ies):</i>	Completely miscible in water.
<i>o) Partition coefficient:</i>	< 0
<i>p) Autoignition temperature:</i>	Does not self-ignite (based on the chemical structure).
<i>q) Decomposition temperature:</i>	> 150°C
<i>r) Viscosity:</i>	See Technical Bulletin.
<i>s) Explosive properties:</i>	Not expected to be explosive based on the chemical structure.
<i>t) Oxidizing properties:</i>	Not expected to be oxidising based on the chemical structure.

*9.2. Other information*

None.

SECTION 10. Stability and reactivity*10.1. Reactivity*

Stable under recommended storage conditions.

*10.2. Chemical stability*

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Protect from frost, heat and sunlight.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Thermal decomposition may produce: nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>).

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

#### Information on the product as supplied:

Acute oral toxicity:	LD50/oral/rat > 5000 mg/kg (Estimated)
Acute dermal toxicity:	LD50/dermal/rat > 5000 mg/kg (Estimated)
Acute inhalation toxicity:	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation:	Non-irritating to skin.
Serious eye damage/eye irritation:	Irritating to eyes.
Respiratory/skin sensitisation:	Not sensitizing to skin. No respiratory sensitization has been observed in the workplace.
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductive toxicity:	Not toxic for reproduction.
STOT - single exposure:	No known effects.
STOT - repeated exposure:	No known effects.
Aspiration hazard:	No hazards resulting from the material as supplied.

#### Relevant information on the hazardous components:

##### Alkyl ether sulfate C12-14, ethoxylated, sodium salt

Acute oral toxicity:	LD50/oral/rat > 5000 mg/kg (OECD 401)
Acute dermal toxicity:	LD50/dermal/rat > 5000 mg/kg (OECD 402)
Acute inhalation toxicity:	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation:	Irritating to skin. (OECD 404)

<i>Serious eye damage/eye irritation:</i>	Risk of serious damage to eyes. (OECD 405)
<i>Respiratory/skin sensitisation:</i>	Not sensitizing. (OECD 406)
<i>Mutagenicity:</i>	Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Negative in the Ames Test (OECD 471).
<i>Carcinogenicity:</i>	Based on the absence of mutagenicity, it is unlikely that the substance is carcinogenic.
<i>Reproductive toxicity:</i>	Two-Generation Reproduction Toxicity (OECD 416) NOAEL/rat = 300 mg/kg/day Prenatal Development Toxicity Study (OECD 414) NOAEL/Maternal toxicity/rat > 1000 mg/kg/day NOAEL/Developmental toxicity/rat > 1000 mg/kg/day
<i>STOT - single exposure:</i>	No known effects.
<i>STOT - repeated exposure:</i>	No known effects.
<i>Aspiration hazard:</i>	No known effects.

## SECTION 12. Ecological information

### 12.1. Toxicity

#### Information on the product as supplied:

<i>Acute toxicity to fish:</i>	LC50/Fish/96 hours > 100 mg/L
<i>Acute toxicity to invertebrates:</i>	EC50/Daphnia/48 hours > 100 mg/L
<i>Acute toxicity to algae:</i>	IC50/Algae/72 hours > 100 mg/L
<i>Chronic toxicity to fish:</i>	No data available.
<i>Chronic toxicity to invertebrates:</i>	No data available.
<i>Toxicity to microorganisms:</i>	No data available.
<i>Effects on terrestrial organisms:</i>	Exposure to soil is unlikely.
<i>Sediment toxicity:</i>	Exposure to sediment is unlikely.

#### Relevant information on the hazardous components:

##### Alkyl ether sulfate C12-14, ethoxylated, sodium salt

<i>Acute toxicity to fish:</i>	LC50/Leuciscus idus/96 hours = 10 - 100 mg/L
<i>Acute toxicity to invertebrates:</i>	EC50/Daphnia magna/48 hours = 10 - 100 mg/L (OECD 202)
<i>Acute toxicity to algae:</i>	IC50/Scenedesmus subspicatus/72 hours > 100 mg/L (OECD 201)
<i>Chronic toxicity to fish:</i>	NOEC/Leuciscus idus/28 days = 1 - 10 mg/L
<i>Chronic toxicity to invertebrates:</i>	NOEC/Daphnia magna/28 days = 0.1 - 1 mg/L



*Toxicity to microorganisms:* EC0/activated sludge/3 h > 100 mg/L  
*Effects on terrestrial organisms:* No data available.  
*Sediment toxicity:* No data available. Exposure to sediment is unlikely.

### 12.2. Persistence and degradability

#### Information on the product as supplied:

*Degradation:* Biodegradable.  
*Hydrolysis:* No data available.  
*Photolysis:* No data available.

#### Relevant information on the hazardous components:

##### Alkyl ether sulfate C12-14, ethoxylated, sodium salt

*Degradation:* Readily biodegradable, according to appropriate OECD test.  
*Hydrolysis:* No data available.  
*Photolysis:* No data available.

### 12.3. Bioaccumulative potential

#### Information on the product as supplied:

The product is not expected to bioaccumulate.

*Partition co-efficient (Log Pow):* < 0  
*Bioconcentration factor (BCF):* No data available.

#### Relevant information on the hazardous components:

##### Alkyl ether sulfate C12-14, ethoxylated, sodium salt

*Partition co-efficient (Log Pow):* 0.3 @ 23°C, pH 6.1 (OECD 123)  
*Bioconcentration factor (BCF):* No data available.

### 12.4. Mobility in soil

#### Information on the product as supplied:

Exposure to soil is not to be expected.

*K<sub>oc</sub>:* No data available.

#### Relevant information on the hazardous components:

Alkyl ether sulfate C12-14, ethoxylated, sodium salt

Koc: No data available.

*12.5. Results of PBT and vPvB assessment**PBT assessment:*

Does not fulfill the criteria according to Annex XIII of REACH.

*vPvB assessment:*

Does not fulfill the criteria according to Annex XIII of REACH.

*12.6. Other adverse effects*

None.

SECTION 13. Disposal considerations*13.1. Waste treatment methods*Waste from residues / unused products:

Dispose in accordance with local and national regulations.

Contaminated packaging:

Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

Recycling:

Store containers and offer for recycling of material when in accordance with the local regulations.

SECTION 14. Transport information

## Land transport (ADR/RID)

Not classified.

## Sea transport (IMDG)

Not classified.

## Air transport (IATA)

Not classified.

SECTION 15. Regulatory information*15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture*

All components of this product have been registered or pre-registered with the European Chemicals Agency or are exempt from registration.

*15.2. Chemical safety assessment*

A Chemical Safety Assessment for this product has been carried out by the person responsible for producing this Safety Data Sheet. All relevant information used to conduct this assessment are included in this Safety Data Sheet as well any as any resulting Risk Reduction Measures.

#### SECTION 16. Other information

*This data sheet contains changes from the previous version in section(s):*

SECTION 1. Identification of the substance/mixture and of the company/undertaking, SECTION 2. Hazards identification, SECTION 3. Composition/information on ingredients, SECTION 4. First aid measures, SECTION 5. Fire-fighting measures, SECTION 6. Accidental release measures, SECTION 7. Handling and storage, SECTION 8. Exposure controls/personal protection, SECTION 9. Physical and chemical properties, SECTION 10. Stability and reactivity, SECTION 11. Toxicological information, SECTION 12. Ecological information, SECTION 13. Disposal considerations, SECTION 14. Transport information, SECTION 15. Regulatory information, SECTION 16. Other Information.

*Key or legend to abbreviations and acronyms used in the safety data sheet:*

#### Abbreviations

Xi - Irritant

Skin Irrit. 2 = Skin corrosion/irritation Category Code 2

Eye Dam 1 = Serious eye damage/eye irritation Category Code 1

Eye Irrit. 2 = Serious eye damage/eye irritation Category Code 2

Aquatic Chronic 3 = Hazardous to the aquatic environment Chronic Category Code 3

#### R-Phrases

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

#### H-Phrases

H315 - Causes skin irritation

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

*This SDS was prepared in accordance with the following:*

Regulation (EU) No. 2015/830

Regulation (EC) No. 1907/2006

Regulation (EC) No. 1272/2008

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Version: 15.01.a

LDMS004

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ANNEX(ES)

This product is not hazardous as supplied and does not contain:

- hazardous components which require REACH registration; or,
- demonstrate relevant effects which would require a chemical safety assessment; or,
- are present at concentrations above their cut-off value.

Therefore, according to Regulation (EC) No 1907/2006, Article 31, paragraph 7, an Exposure Scenario is not required as an annex to the Safety Data Sheet.