



# Material Safety data sheet

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Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 14.10.2014

Version: 3.0

Product: **Plantapon® SF**

(ID no. 50295113/SDS\_GEN\_GB/EN)

Date of print 17.10.2014

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## SECTION 1: Identification of the substance/mixture

### 1.1. Product identifier

**Plantapon® SF**

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

Relevant identified uses: surfactants

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Eye Dam./Irrit. 1

According to Directive 67/548/EEC or 1999/45/EC

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Possible Hazards:  
Risk of serious damage to eyes.

For the classifications not written out in full in this section the full text can be found in section 16.

## 2.2. Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H318 Causes serious eye damage.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: Mono sodium cocoamphoacetate

According to Directive 67/548/EEC or 1999/45/EC

EEC Directives

Hazard symbol(s)

Xi Irritant.



R-phrase(s)

R41 Risk of serious damage to eyes.

S-phrase(s)



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S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.

Hazard determining component(s) for labelling: Mono sodium cocoamphoacetate

### 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered.

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Chemical nature

Aqueous solution based on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides, Glycine, N-[2-[(2-hydroxyethyl)amino]ethyl]-, N'-coco acyl derivs., monosodium salts

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Glycine, N-[2-[(2-hydroxyethyl)amino]ethyl]-, N'-coco acyl derivs., monosodium salts

Content (W/W): $\geq 10\%$ - $< 20\%$	Eye Dam./Irrit. 1
CAS Number: 61791-32-0	H318
EC-Number: 263-164-4	

| D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Content (W/W): $\geq 5\%$ - $< 10\%$	Skin Corr./Irrit. 2
CAS Number: 110615-47-9	Eye Dam./Irrit. 1
REACH registration number: 01-2119489418-23	H318, H315

#### Specific concentration limit:

Eye Irrit. 1: $> 12\%$
Skin Corr./Irrit. 2: $> 30\%$

| D-Glucopyranose, oligomeric, C10-16-alkyl glycosides, carboxymethyl ethers, sodium salts

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Content (W/W): $\geq 1\%$ - $< 5\%$	Eye Dam./Irrit. 2
CAS Number: 383178-66-3	H319
REACH registration number: 01-2119965133-40	

L-Glutamic acid, N-coco acyl derivs., monosodium salts

Content (W/W): $\geq 1\%$ - $< 5\%$	Eye Dam./Irrit. 2
CAS Number: 68187-32-6	H319
EC-Number: 269-087-2	

#### Hazardous ingredients

according to Directive 1999/45/EC

Glycine, N-[2-[(2-hydroxyethyl)amino]ethyl]-, N'-coco acyl derivs., monosodium salts

Content (W/W): $\geq 10\%$ - $< 20\%$
CAS Number: 61791-32-0
EC-Number: 263-164-4
Hazard symbol(s): Xi
R-phrases(s): 41

| D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Content (W/W): $\geq 5\%$ - $< 10\%$
CAS Number: 110615-47-9
REACH registration number: 01-2119489418-23
Hazard symbol(s): Xi
R-phrases(s): 38, 41

| D-Glucopyranose, oligomeric, C10-16-alkyl glycosides, carboxymethyl ethers, sodium salts

Content (W/W): $\geq 1\%$ - $< 5\%$
CAS Number: 383178-66-3
REACH registration number: 01-2119965133-40
Hazard symbol(s): Xi
R-phrases(s): 36

L-Glutamic acid, N-coco acyl derivs., monosodium salts

Content (W/W): $\geq 1\%$ - $< 5\%$
CAS Number: 68187-32-6
EC-Number: 269-087-2
Hazard symbol(s): Xi
R-phrases(s): 36

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

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## **SECTION 4: First-Aid Measures**

### **4.1. Description of first aid measures**

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If adverse health effects develop seek medical attention.

If inhaled:

Fresh air. If adverse health effects develop seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Immediate medical attention required.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Hazards: No hazard is expected under intended use and appropriate handling.

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

Treatment: Treat symptomatically.

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## **SECTION 5: Fire-Fighting Measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

water spray, carbon dioxide, dry powder, foam

### **5.2. Special hazards arising from the substance or mixture**

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **5.3. Advice for fire-fighters**

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## **SECTION 6: Accidental Release Measures**

High risk of slipping due to leakage/spillage of product.

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### **6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing.

### **6.2. Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

### **6.3. Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

### **6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## **SECTION 7: Handling and Storage**

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

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

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

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:

Storage temperature: 15 - 30 °C

### **7.3. Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1. Control parameters**

#### Components with occupational exposure limits

56-81-5: Glycerol

TWA value 10 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Mist

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## 8.2. Exposure controls

### Personal protective equipment

Respiratory protection:

Not needed.

Hand protection:

Suitable are protective gloves with the following specification. The recommendation is valid for laboratory conditions, specific workplace conditions must be taken into consideration separately.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

nitrile rubber (NBR) - 0.2 mm coating thickness

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	yellowish	
Odour:	slight odour	
pH value:	6.5 - 7.5 (20 °C)	(ISO 4316)
Flash point:	> 100 °C	
Evaporation rate:	Aqueous preparation	
Flammability:	not applicable	
Flammability of Aerosol Products:	not flammable	
	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	not applicable	

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Ignition temperature: not determined

Density: 1.1300 - 1.1450 g/cm<sup>3</sup> (ISO 2811-3)  
(20 °C)

Relative vapour density (air): not applicable

Solubility in water: soluble

Solubility (qualitative) solvent(s): distilled water  
miscible in all proportions

Partitioning coefficient n-octanol/water (log Kow): not determined

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: <= 15,000 mPa\*s (DIN EN ISO 2555)  
(20.0 °C)

Viscosity, kinematic: not determined

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

## 9.2. Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

No further information available.

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

None if used for intended purpose.

### 10.4. Conditions to avoid

See MSDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:

No substances known that should be avoided.

### 10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:  
Virtually nontoxic after a single ingestion.

Experimental/calculated data:  
LD50 (oral): > 5,000 mg/kg

#### Irritation

Assessment of irritating effects:  
May cause severe damage to the eyes.

Not irritating to the skin.

Experimental/calculated data:  
Skin corrosion/irritation human: non-irritant (Human patch test)

#### Respiratory/Skin sensitization

Assessment of sensitization:  
There is no evidence of a skin-sensitizing potential.

#### Germ cell mutagenicity

Assessment of mutagenicity:  
The chemical structure does not suggest a specific alert for such an effect.

#### Carcinogenicity

Assessment of carcinogenicity:  
The chemical structure does not suggest a specific alert for such an effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
The chemical structure does not suggest a specific alert for such an effect.

#### Developmental toxicity

Assessment of teratogenicity:  
No data was available concerning toxicity to development.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

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Based on available Data, the classification criteria are not met.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:  
None known

#### Aspiration hazard

No aspiration hazard expected.

#### Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish:

LC50 > 10 - 100 mg/l

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l

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

Assessment biodegradation and elimination (H<sub>2</sub>O):

The organic component of the product is biodegradable.

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

### **12.3. Bioaccumulative potential**

Assessment bioaccumulation potential:

No data available.

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

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Assessment transport between environmental compartments:

Volatility: not applicable

### 12.5. Results of PBT and vPvB assessment

According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

### 12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

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## SECTION 14: Transport Information

### Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable

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Environmental hazards: Not applicable  
 Special precautions for user: None known

### **Inland waterway transport**

ADN

Not classified as a dangerous good under transport regulations

UN number: Not applicable  
 UN proper shipping name: Not applicable  
 Transport hazard class(es): Not applicable  
 Packing group: Not applicable  
 Environmental hazards: Not applicable  
 Special precautions for user: None known  
 Transport in inland waterway vessel: Not evaluated

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

UN number: Not applicable  
 UN proper shipping name: Not applicable  
 Transport hazard class(es): Not applicable  
 Packing group: Not applicable  
 Environmental hazards: Not applicable  
 Special precautions for user: None known

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

UN number: Not applicable  
 UN proper shipping name: Not applicable  
 Transport hazard class(es): Not applicable  
 Packing group: Not applicable  
 Environmental hazards: Not applicable  
 Special precautions for user: None known

#### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

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#### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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### **SECTION 15: Regulatory Information**

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

##### Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 40

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

This product is classified under the Chemicals (Hazard Information and Packaging) Regulations, (CHIP) (United Kingdom).

#### **15.2. Chemical Safety Assessment**

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

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## SECTION 16: Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xi	Irritant.
41	Risk of serious damage to eyes.
38	Irritating to skin.
36	Irritating to eyes.
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Irrit.	Serious eye irritation
H318	Causes serious eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following e-mail address: [product-safety-north@basf.com](mailto:product-safety-north@basf.com)

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Vertical lines in the left hand margin indicate an amendment from the previous version.