

Safety data sheet

Page: 1/12

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 22.11.2012

Version: 1.1

Product: **Plantacare® 2000 UP**

(ID no. 30528526/SDS_GEN_EU/EN)

Date of print 24.12.2012

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Plantacare® 2000 UP

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

Relevant identified uses: surfactants

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Care Chemicals

Telephone: +49 211 7940-2222

E-mail address: emc-ehs-masterdata@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



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Date / Revised: 22.11.2012

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Signal Word:

Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.

Precautionary Statements (Prevention):

P280f	Wear protective gloves and eye/face protection.
P264	Wash with plenty of water and soap thoroughly after handling.

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.
P303 + P352	IF ON SKIN (on hair): Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

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

Hazard determining component(s) for labelling: Alkylpolyglycoside C8-10

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

EEC Directives

Hazard symbol(s)

Xi Irritant.



R-phrase(s)

R38	Irritating to skin.
R41	Risk of serious damage to eyes.

S-phrase(s)

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28.2	After contact with skin, wash immediately with plenty of water.
S37/39	Wear suitable gloves and eye/face protection.

Hazard determining component(s) for labelling: Alkylpolyglycoside C8-10

Classification of the substance or mixtureAccording to Regulation (EC) No 1272/2008 [CLP]

Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

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

Possible Hazards:

Irritating to skin.

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.

Other hazards

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

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

3. Composition/Information on Ingredients

Mixtures

Chemical nature

Aqueous solution based on: Alkylpolyglycoside C10-16, Alkylpolyglycoside C8-10

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Alkylpolyglycoside C8-10

Content (W/W): $\geq 30\%$ - $< 50\%$	Eye Dam./Irrit. 1
CAS Number: 68515-73-1	H318
EC-Number: 500-220-1	
REACH registration number: 01-2119488530-36	

Alkylpolyglycoside C10-16

Content (W/W): $\geq 20\%$ - $< 30\%$	Skin Corr./Irrit. 2
CAS Number: 110615-47-9	Eye Dam./Irrit. 1
REACH registration number: 01-2119489418-23	H315, H318

Hazardous ingredients

according to Directive 1999/45/EC

Alkylpolyglycoside C8-10Content (W/W): $\geq 30\%$ - $< 50\%$

CAS Number: 68515-73-1

EC-Number: 500-220-1

REACH registration number: 01-2119488530-36

Hazard symbol(s): Xi

R-phrases: 41

Alkylpolyglycoside C10-16Content (W/W): $\geq 20\%$ - $< 30\%$

CAS Number: 110615-47-9

REACH registration number: 01-2119489418-23

Hazard symbol(s): Xi

R-phrases: 38, 41

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.

4. First-Aid Measures

Description of first aid measures

If adverse health effects develop seek medical attention.

If inhaled:

not relevant.

On skin contact:

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

On contact with eyes:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

On ingestion:

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

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.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 22.11.2012

Version: 1.1

Product: **Plantacare® 2000 UP**

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water spray, carbon dioxide, dry powder, foam

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.

Advice for fire-fighters

Further information:

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

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

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.

Reference to other sections

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

7. Handling and Storage

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.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: polyethylene (PE), High density polyethylene (HDPE)

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

Below temperature limit the product properties will change. The property change is reversible by stirring and heating. Please refer to the product specific data sheet for further information.

Storage stability:

Storage temperature: 10 - 40 °C

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 22.11.2012

Version: 1.1

Product: **Plantacare® 2000 UP**

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Date of print 24.12.2012

Protect from temperatures below: 10 °C
Below the temperature limit, the product is no longer pumpable.
Protect from temperatures above: 40 °C

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.

8. Exposure Controls/Personal Protection**Control parameters**Components with occupational exposure limits

No occupational exposure limits known.

Exposure controlsPersonal protective equipment

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): fluoroelastomer (Viton)

Eye protection:

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

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.

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

Form:	liquid
Colour:	yellowish
Odour: slight odour	
pH value:	11.5 - 12.5 (isopropanol, 20 °C)
Melting point:	not applicable
boiling temperature:	> 212 °C
Flash point:	> 100.0 °C
Upper explosion limit:	not determined

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 22.11.2012

Version: 1.1

Product: **Plantacare® 2000 UP**

(ID no. 30528526/SDS_GEN_EU/EN)

Date of print 24.12.2012

Ignition temperature: not determined

Density: 1.1 g/cm³
(25 °C)

Solubility in water: soluble

Solubility (qualitative) solvent(s): distilled water
soluble

Partitioning coefficient n-octanol/water (log K_{ow}):
not determined

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

Viscosity, dynamic: 1,000 - 6,000 mPa*s (DIN 53015)
(20 °C)

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section., No further information available.

10. Stability and Reactivity

Reactivity

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

Chemical stability

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

Possibility of hazardous reactions

None if used for intended purpose.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

No substances known that should be avoided.

Hazardous decomposition products

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

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact.

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 (oral): > 2,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

LD50 (dermal): > 2,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects:

May cause severe damage to the eyes.

Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation rabbit: Severely irritating. (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect.

Experimental/calculated data:

Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Experimental/calculated data:

Ames-test

Bacteria: negative

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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:

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.

12. Ecological Information

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 (DIN EN ISO 7346-2)

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l (OECD Guideline 209)

Persistence and degradability

Assessment biodegradation and elimination (H2O):

Readily biodegradable (according to OECD criteria).

Elimination information:

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 22.11.2012

Version: 1.1

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Date of print 24.12.2012

(Annex III , part A) 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.

Bioaccumulative potential

Assessment bioaccumulation potential:

No data available concerning bioaccumulation.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

not applicable

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

13. Disposal Considerations

Waste treatment methods

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

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

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Packing group:	Not applicable
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

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

BASF Safety data sheet according to Regulation (EC) No. 1907/2006

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

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

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

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.

Skin Corr./Irrit. Skin corrosion/irritation

Eye Dam./Irrit. Serious eye damage/eye irritation

H318 Causes serious eye damage.

H315 Causes skin irritation.

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.

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