

# Safety data sheet

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BASF Safety data sheet according to 91/155/EEC  
Date / Revised: 06.05.2004  
Product: **Cremophor\* A 6 Surfactant**

Version: 2.1

(30035137/SDS\_COS\_EU/EN)

Date of print 07.05.2004

## 1. Substance/preparation and company identification

### Cremophor\* A 6 Surfactant

Use: Chemical

Company:

BASF Aktiengesellschaft  
Unternehmensbereich Feinchemie  
67056 Ludwigshafen, Deutschland  
Telephone: +49-621-60-46077  
Telefax number: +49-621-60-8607434

Emergency information:

Fire brigade BASF Ludwigshafen  
Telephone: +49-621-60-43333  
Telefax number: +49-621-60-92664

## 2. Composition/information on ingredients

Chemical nature

INCI Name: Cetareth-6 (and) Stearyl Alcohol

Preparation based on: Alcohols, C16-18, ethoxylated (> 1 < 2.5 mol EO) (Content (W/W): 75 %),  
octadecan-1-ol (Content (W/W): 25 %)

## 3. Hazard identification

Irritating to skin.  
May cause sensitization by skin contact.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. First-aid measures

General advice:  
Remove contaminated clothing.

If inhaled:  
Keep patient calm, remove to fresh air, seek medical attention.

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On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

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

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician:

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-fighting measures

Suitable extinguishing media:

water spray, foam, dry powder

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

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

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## 6. Accidental release measures

Personal precautions:

Information regarding personal protective measures see, chapter 8.

Environmental precautions:

Do not empty into drains.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

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## 7. Handling and storage

Handling

Avoid contact with the skin, eyes and clothing.

Storage

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

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

none

### Personal protective equipment

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (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 DIN-EN 465).

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

Form:	solid, waxy type	
Colour:	white	
Odour:	almost odourless	
pH value:	approx. 7	
melting range:	41 - 45 °C	(DIN 51801)
Flash point:	190 °C	(DIN 51758)
Ignition temperature:	240 °C	(DIN 51794)
Density:	0,9 g/cm <sup>3</sup> (60 °C)	(DIN 51757)
Solubility in water:	10 g/l (50 °C)	
Solubility (qualitative) solvent(s):	organic solvents soluble	

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Viscosity, dynamic: 13,5 mPa.s  
(60 °C)

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## 10. Stability and reactivity

Thermal decomposition: approx. 300 °C

Hazardous reactions:

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

Hazardous decomposition products:

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

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## 11. Toxicological information

LD50/oral/rat: > 10.000 mg/kg (BASF-Test)

by inhalation/rat: / 8 h(BASF-Test)

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Primary skin irritation/rabbit: Irritant. (BASF-Test)

Primary irritations of the mucous membrane/rabbit: non-irritant (BASF-Test)

Sensitization/Guinea pig maximization test/guinea pig: sensitizing

Sensitization/Open epicutaneous test (OET)/guinea pig: sensitizing

Further information:

The substance was not mutagenic in bacteria.

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## 12. Ecological information

### Ecotoxicity

Toxicity to fish:

DIN 38412 Part 15 static

Leuciscus idus/LC50 (96 h): > 10.000 mg/l

The details of the toxic effect relate to the nominal concentration. Tested above maximum solubility.

Aquatic invertebrates:

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): 0,622 mg/l

The details of the toxic effect relate to the nominal concentration.

Aquatic plants:

OECD Guideline 201 static

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Desmodesmus subspicatus/EC50 (72 h): approx.8 mg/l  
 The details of the toxic effect relate to the nominal concentration.

Microorganisms/Effect on activated sludge:  
 DIN 38412 Part 27 (draft) aquatic  
 Pseudomonas putida/EC50: > 10.000 mg/l  
 The details of the toxic effect relate to the nominal concentration. Tested above maximum solubility.

Assessment of aquatic toxicity:  
 Very toxic (acute effect) to aquatic organisms.  
 Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### Persistence and degradability

#### Elimination information

Test method: OECD Guideline 302 B (aerobic), activated sludge  
 Method of analysis: DOC reduction  
 Degree of elimination: 90 - 100 % (15 d)

Assessment: Well eliminable from water by adsorption on activated sludge.  
 Biodegradable.

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## 13. Disposal considerations

Observe national and local legal requirements.

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## 14. Transport information

### Land transport

<b>ADR</b>	: Class	9
	Packaging group	III
	UN-number	3077
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: FATTY ALCOHOL ETHOXYLATE)
<b>RID</b>	: Class	9
	Packaging group	III
	UN-number	3077
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: FATTY ALCOHOL ETHOXYLATE)

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**Inland waterway transport**

<b>ADNR</b>	: Class	9
	Packaging group	III
	UN-number	3077
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: FATTY ALCOHOL ETHOXYLATE)

**Sea transport**

<b>IMDG/GGVSee</b>	: Class	9
	Packaging group	III
	UN-number	3077
	Marine pollutant	YES
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains FATTY ALCOHOL ETHOXYLATE)

**Air transport**

<b>ICAO/IATA</b>	: Class	9
	Packaging group	III
	UN-number	3077
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains FATTY ALCOHOL ETHOXYLATE)

**15. Regulatory information****Regulations of the European union (Labelling) / National legislation/Regulations**

Hazard symbol(s)

Xi	Irritant.
N	Dangerous for the environment.

R-phrase(s)

R38	Irritating to skin.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S24	Avoid contact with skin.
S37	Wear suitable gloves.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

| Hazard determinant component(s) for labelling: Cremophor A 6

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**Other regulations**

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**16. Other information**

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

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.