

**Safety data sheet**

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 12.09.2002

Version: 1.0

Product: **Lutensol\* XL 60**

(30190156/SDS\_GEN\_EU/EN)

Date of print 03.01.2003

**1. Substance/preparation and company identification**

Use: Detergent and cleaning agent for the chemical industry

**Lutensol\* XL 60**Company:

BASF Aktiengesellschaft

Performance Chemicals for Detergents and Formulators

67056 Ludwigshafen, Germany

Telephone: +49-621-60-72783/ 42228

Telefax number: +49-621-60-41517

E-mail address: Productinformation.Performance-Chemicals@basf-ag.de

Emergency information:

Fire brigade BASF Ludwigshafen

Telephone: 0621-60-43333

Telefax number: 0621-60-92664

**2. Composition/information on ingredients**Chemical nature

Polymer based on:

longchain alcohol

C 10

alkoxylated

Starting materials listed in EINECS

**3. Hazard identification**

Harmful if swallowed.

Irritating to skin.

Risk of serious damage to eyes.

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## 4. First-aid measures

General advice:

Immediately remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

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

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-fighting measures

Suitable extinguishing media:

water spray, dry extinguishing media, foam, carbon dioxide

Specific hazards:

harmful vapours

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

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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Methods for cleaning up or taking up:  
For large amounts: Pump off product.  
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product.

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## 7. Handling and storage

### Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

### Storage

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

Protect from temperatures above: 70 °C

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## 8. Exposure controls and personal protection

### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials short-term contact and/or splashes (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374)

butyl rubber (butyl) - 0.7 mm coating thickness

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

nitrile rubber (NBR) - 0.4 mm coating thickness

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (cage goggles) (EN 166) and face shield.

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. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

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## 9. Physical and chemical properties

Form:	liquid
Colour:	colourless to yellowish
Odour:	characteristic
pH value:	approx. 7 (50 g/l, 23 °C)
Flash point:	> 100 °C
Flammability:	does not ignite
Explosion hazard:	not explosive
Density:	approx. 1 g/cm <sup>3</sup> (20 °C)
Solubility in water:	not soluble (15 °C)
Solubility (qualitative) solvent(s):	polar solvents, non-polar solvents soluble
Viscosity, dynamic:	approx. 200 mPa.s (23 °C)

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## 10. Stability and reactivity

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

No hazardous decomposition products known.

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## 11. Toxicological information

LD50/oral/rat: 200 - 2.000 mg/kg

Primary skin irritation/rabbit: Irritant. (OECD Guideline 404)

Primary irritations of the mucous membrane/rabbit: Risk of serious damage to eyes. (OECD Guideline 405)

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Additional information:

The product was not tested. The statement was derived from products of a similar structure and composition.

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## 12. Ecological information

### Ecotoxicity

Aquatic invertebrates:  
Daphnia magna/EC50 (48 h): 1 - 10 mg/l

Aquatic plants:  
Scenedesmus subspicatus/EC50 (72 h): 10 - 100 mg/l

### Persistence and degradability

#### Elimination information

Test method:	mod. OECD 303A
Method of analysis:	Bismuth-active substance
Degree of elimination:	>= 90 %
Evaluation:	Analogous: Assessment derived from products with similar chemical character.

Test method:	ISO DIS 9439
Method of analysis:	CO <sub>2</sub> formation relative to the theoretical value
Degree of elimination:	> 60 %
Evaluation:	Readily biodegradable.

### Additional information

Other ecotoxicological advice:  
The product was not tested. The statement was derived from products of a similar structure and composition.

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## 13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:  
Uncontaminated packs can be re-used.  
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## 14. Transport information

Not classified as hazardous under transport regulations.

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## 15. Regulatory information

### **Regulations of the European union (Labelling) / National legislation/Regulations**

Hazard symbol(s)

Xn Harmful.

R-phrase(s)

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

S-phrase(s)

S39 Wear eye/face protection.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Hazard determinant component(s) for labelling: ALCOHOL ALCOXYLATE

### **Other regulations**

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## 16. Other information

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.