

# Safety data sheet

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

Date / Revised: 03.05.2010

Product: **Luviset® CA 66**

Version: 1.3

(30035034/SDS\_COS\_EU/EN)

Date of print 04.05.2010

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

### Luviset® CA 66

Use: Polymer, cosmetic ingredient

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Care Chemicals

Telephone: +49 621 60-48434

Telefax number: +49 621 60 66-48434

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Emergency information:

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### According to REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Classification of the substance and mixture:

No need for classification according to GHS criteria for this product.

Other hazards which do not result in classification:

The product is under certain conditions capable of dust explosion.

**Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)**

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### 3. Composition/Information on Ingredients

#### Chemical nature

INCI Name: VA/Crotonates Copolymer

copolymer

2-Butenoic acid, polymer with ethenyl acetate  
CAS Number: 25609-89-6

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### 4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

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 and then drink plenty of water.

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

water, dry extinguishing media, 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:

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid dust formation.

### 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.

Avoid raising dust.

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

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## 7. Handling and Storage

### Handling

Avoid dust formation.

### Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid dust formation. The product is capable of dust explosion.

### Storage

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

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## 8. Exposure Controls/Personal Protection

### Components with workplace control parameters

Product contains residual monomer(s). The substance mentioned is contained only in traces in the product.

108-05-4: vinyl acetate

### Personal protective equipment

#### Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

#### 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), butyl rubber (0.7 mm) and other

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Supplementary note: The specifications are based on 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 through testing.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

Form: powder  
Colour: colourless  
Odour: almost odourless

pH value: not applicable

Melting point: 88 °C

Ignition temperature: 440 °C (DIN 51794)

Minimum ignition energy: > 4 J

Bulk density: approx. 700 kg/m<sup>3</sup>

Solubility in water:  
< 1 mg/l  
(23 °C)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid dust formation.

Thermal decomposition: > 300 °C

Corrosion to metals: Corrosive effects to metal are not anticipated.

Hazardous reactions:

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

Hazardous decomposition products:

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

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## 11. Toxicological Information

### Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 10,000 mg/kg (BASF-Test)

LC50 rat (by inhalation): > 5.4 mg/l 4 h (BASF-Test)

### Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (Draize test)

Serious eyes damages/irritation rabbit: non-irritant (Draize test)

### Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

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

### Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Toxicity to fish:

LC50 (96 h) > 10,000 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

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

Microorganisms/Effect on activated sludge:

EC20 (0.5 h) approx. 160 mg/l, activated sludge (OECD Guideline 209, aerobic)

### **Persistence and degradability**

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

Not readily biodegradable (by OECD criteria). Poorly biodegradable. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Elimination information:

< 20 % BOD of COD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge)

### **Bioaccumulation potential**

Bioaccumulation potential:

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

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## **13. Disposal Considerations**

Observe national and local legal requirements.

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## **14. Transport Information**

### **Land transport**

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

### **Inland waterway transport**

ADNR

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

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

as in Annex VI of Directive 67/548/EEC:

The product does not require a hazard warning label in accordance with EC Directives.

### **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 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.