

Safety data sheet

Page: 1/7

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

Date / Revised: 26.04.2010

Product: **Luviset® CAN**

Version: 1.2

(30060969/SDS_COS_EU/EN)

Date of print 17.06.2010

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

Luviset® CAN

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

E-mail address: EM-Masterdata@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

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)

The product is under certain conditions capable of dust explosion.

3. Composition/Information on Ingredients

Chemical nature

INCI Name: VA/Crotonates/Vinyl Neodecanoate Copolymer

copolymer

vinyl acetate

CAS Number: 108-05-4
EC-Number: 203-545-4
INDEX-Number: 607-023-00-0

vinyl neodecanoate

CAS Number: 51000-52-3
EC-Number: 256-905-8

crotonic acid

CAS Number: 3724-65-0
EC-Number: 223-077-4

4. First-Aid Measures

General advice:

Take off immediately all 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.

5. Fire-Fighting Measures

Suitable extinguishing media:

dry powder, water spray

Unsuitable extinguishing media for safety reasons:

carbon dioxide

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

Date / Revised: 26.04.2010

Product: **Luviset® CAN**

Version: 1.2

(30060969/SDS_COS_EU/EN)

Date of print 17.06.2010

Special protective equipment:
Wear a self-contained breathing apparatus.

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

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: Sweep/shovel up.
For large amounts: Sweep/shovel up.
Dispose of absorbed material in accordance with regulations. Avoid dust formation.

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.

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

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
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.

9. Physical and Chemical Properties

Form:	powder
Colour:	white
Odour:	odourless
pH value:	approx. 4.5 - 5 (alcohol/water, 5 - 8 %(m)) of low solubility
melting range:	40 - 50 °C
Minimum ignition energy:	> 4 J
Bulk density:	approx. 750 kg/m ³
Solubility in water:	< 1 mg/l (23 °C)
Solubility (qualitative) solvent(s):	alcohols soluble

10. Stability and Reactivity

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

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

Hazardous reactions:
Dust explosion hazard.

Hazardous decomposition products:

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): > 34,600 mg/kg

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

LD50 rat (dermal): > 10,200 mg/kg

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

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)

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

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

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

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.

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 (H2O):**

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.

13. Disposal Considerations

Observe national and local legal requirements.

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

BASF Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 26.04.2010
Product: **Luviset® CAN**

Version: 1.2

(30060969/SDS_COS_EU/EN)

Date of print 17.06.2010

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

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

16. Other Information

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.