

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 08.11.2005

Product: **Luviflex* Soft**

Version: 1.1

(30066798/SDS_COS_EU/EN)

Date of print 06.03.2008

1. Substance/preparation and company identification

Luviflex* Soft

Use: cosmetic ingredient

Company:

BASF SE

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Care Chemicals

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2. Composition/information on ingredients

Chemical nature

INCI Name: Acrylates Copolymer

Polymer based on: ethyl acrylate, methacrylic acid

CAS.: 25212-88-8, (W/W) 30%

dispersed in: water

3. Hazard identification

Harmful by inhalation.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

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

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.

Note to physician:

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-fighting measures

Suitable extinguishing media:

water spray, dry extinguishing media, foam, carbon dioxide

Specific hazards:

carbon dioxide

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:

Breathing protection required.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking 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.

7. Handling and storage

Handling

Avoid contact with skin and eyes. Avoid inhalation of dusts/mists/vapours. Avoid aerosol formation. Wear respiratory protection when spraying.

Protection against fire and explosion:

No special precautions necessary.

Storage

Further information on storage conditions: Store protected against freezing. Keep at temperature not exceeding 30 °C.

Storage stability:

Storage temperature: 5 - 25 °C

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

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 determined permeation time.

Eye protection:

Safety glasses with side-shields (frame goggles) (f.e. 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: liquid

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Colour:	milky white
Odour:	faint specific odour
pH value:	2 - 3
Melting point:	< 0 °C
<i>Information on: water</i>	
<i>Boiling range:</i>	<i>approx. 100 °C</i> <i>(approx. 1,013 hPa)</i>

Vapour pressure:	approx. 23 mbar (20 °C)
Density:	1.07 g/cm ³ (20 °C)
Solubility in water:	miscible (20 °C)
Solubility (qualitative) solvent(s):	organic solvents soluble
Viscosity, dynamic:	100 mPa.s (20 °C)

10. Stability and reactivity

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

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.

11. Toxicological information

LD50/oral/rat/male/female: > 2,000 mg/kg (Guideline 92/69/EEC, B.1)

LC50/by inhalation/rat/male/female: 1.03 mg/l (OECD Guideline 403)

Primary skin irritation/rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane/rabbit: non-irritant (OECD Guideline 405)

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

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Further information:

The substance was not mutagenic in bacteria.

12. Ecological information

Ecotoxicity

Toxicity to fish:

OECD Guide-line 203 static

Brachydanio rerio/LC50 (96 h): > 100 mg/l

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

Aquatic invertebrates:

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): > 100 mg/l

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

Aquatic plants:

OECD Guideline 201 static

Scenedesmus subspicatus/EC50 (72 h): > 100 mg/l

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

Microorganisms/Effect on activated sludge:

OECD Guideline 209 aerobic

activated sludge, domestic/EC20 (0.5 h): > 1,000 mg/l

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.

Persistence and degradability

Elimination information

Test method: OECD Guideline 302 B (aerobic), activated sludge, domestic

Method of analysis: DOC reduction

Degree of elimination: < 10 % (28 d)

Assessment: Not readily biodegradable (by OECD criteria). Poorly biodegradable.

13. Disposal considerations

Observe national and local legal requirements.

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14. Transport information

| Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

15. Regulatory information

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

Hazard symbol(s)

Xn Harmful.

R-phrase(s)

R20 Harmful by inhalation.

S-phrase(s)

S23.1 Do not breathe spray.

| Hazard determinant component(s) for labelling: ACRYLATED COPOLYMER

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.