Safety data sheet

BASF Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 25.06.2009 Version: 3.3
Product: **Luvitol® Lite**

(30289094/SDS_COS_EU/EN)
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1. Substance/preparation and company identification

Luvitol® Lite

Use: cosmetic ingredient

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2. Hazard identification

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

Label elements and precautionary statement:

Hazard Statement:
May cause long lasting harmful effects to aquatic life.

Precautionary Statements (Prevention):
Avoid release to the environment.

Precautionary Statements (Disposal):
Dispose of contents/container to hazardous or special waste collection point.

Classification of the substance and mixture:

Chronic hazards to the aquatic environment: Cat. 4

Possible Hazards

May cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical nature

INCI Name: Hydrogenated Polyisobutene

Alkanes, C16-20-iso-
CAS Number: 90622-59-6
EC-Number: 292-461-1

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.

Note to physician:
Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-fighting measures

Suitable extinguishing media:
carbon dioxide, dry powder, foam, water

Additional information:
Use extinguishing measures to suit surroundings.

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

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

6. Accidental release measures

Personal precautions:
Handle in accordance with good industrial hygiene and safety practice.

Environmental precautions:
Do not discharge into drains/surface waters/groundwater.

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

7. Handling and storage

Handling

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:
Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Electrical devices must meet the specified temperature class.

Temperature class: T3 (Autoignition temperature >200 °C).

Storage

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

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:
Wear respiratory protection if ventilation is inadequate.

Hand protection:
Chemical resistant protective gloves (EN 374)

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. 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 EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Colour:	colourless clear	
Odour:	characteristic	
Boiling point:	> 280 °C	
Flash point:	120 °C	(DIN EN 22719; ISO 2719)
Lower explosion limit:	0.4 %(V) (109.1 °C, 4.8 hPa)	(air)
Upper explosion limit:	2.0 %(V) (140.9 °C, 19.9 hPa)	(air)
Ignition temperature:	205 °C	(DIN 51794)
Self ignition:		not self-igniting
Vapour pressure:	< 0.1 mbar (20 °C) 0.2 mbar (50 °C)	
Density:	0.78 - 0.81 g/cm3 (20 °C)	(DIN 53217-5)
Solubility in water:	not soluble	
Viscosity, kinematic:	3.5 - 4.0 mm2/s (40 °C)	(DIN 51562)

10. Stability and reactivity

Conditions to avoid:
Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition:	435 °C

11. Toxicological information

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single ingestion.

Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg (OECD Guideline 423)

Irritation

Assessment of irritating effects:
Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

Serious eyes damages/irritation rabbit: non-irritant (OECD Guideline 405)

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:
The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. There is a high probability that the product is not acutely harmful to aquatic organisms.

Aquatic invertebrates:
EC50 (48 h) > 220 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
The product has low solubility in the test medium. A saturated solution has been tested. The LC50 is higher than the solubility limit. The details of the toxic effect relate to the nominal concentration.

Microorganisms/Effect on activated sludge:
EC20 (180 h) > 1,000 mg/l, (OECD Guideline 209, aquatic)

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Moderately/partially eliminated from water.

Elimination information:
30 - 40 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

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

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

EC-Number: 292-461-1

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

R-phrase(s)
R53 May cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Self classification

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.