

Safety data sheet

according to 91/155/EEC

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BASF Safety data sheet
Date / revised: 21.09.1994
Product: LUVITOL* EHO

ME 00062 (D/E)
version 4.00

(Print date: 29.04.1998)

1. Substance/preparation and company name

LUVITOL* EHO

Company:

BASF Aktiengesellschaft
Unternehmensbereich Feinchemie
D-67056 Ludwigshafen
Tel.: 0621-60-0

Emergency information:

BASF works fire brigade Ludwigshafen
Tel.: 0621-60-43333

Fax: 0621-60-92664

2. Composition/information on ingredientsChemical nature

Mixture of:

Hexadecyl-2-ethylhexanoate
CAS-No. 59130-69-7 EINECS-No. 261-619-1

and

Octadecyl-2-ethylhexanoate
CAS-No. 59130-70-0 EINECS-No. 261-620-7

INCI-name: Cetearyl Octanoate

3. Possible hazards

Critical hazards to man and the environment: none

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.

5. Fire fighting measuresSuitable extinguishing media: carbon dioxide (CO₂), dry extinguishing media, foam, powder

Special protective equipment: In case of fire, wear a self contained breathing apparatus.

Further information: Fire debris must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions: No special measures necessary.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Large spillages should be dammed-off and pumped into containers; soak up remainder with absorbent material and dispose of in accordance with local regulations.

7. Handling and storage

Handling

Protection against fire and explosion: Ensure thorough ventilation of stores and work areas.
The usual precautions for the handling of chemicals must be observed.

Storage

Keep tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls and personal protection

Additional information on the lay-out of technical plant
(see 7)

Components with workplace control parameters
none

Personal protective equipment

Hand protection: protective gloves

Eye protection: safety glasses with side-shields

General safety and hygiene measures: The usual precautions for the handling of chemicals must be observed.

9. Physical and chemical properties

Form: liquid
Colour: colourless
Odour: faint specific odour

Change in physical state
Boiling point/boiling range: (5 mbar) 200 °C

Flash point: 194 °C (DIN 51 758)

Explosion limits:
- lower 0.9 Vol. %
- upper 2.8 Vol. %

Ignition temperature: 245 °C

Vapour pressure: (20 °C) < 0.1 mbar

Density: (20 °C) 0.850-0.860 g/cm³

Solubility in water: sparingly soluble

Viscosity: (20 °C) 20 mPa.s (approx.)

Other information: none

10. Stability and reactivity

Thermal decomposition: > 200 °C

Hazardous reactions: None provided product is correctly processed.

Hazardous decomposition products: None provided product is correctly processed.

11. Toxicological information

Acute toxicity

LD50/oral/rat: > 5 000 mg/kg

Primary skin irritation/rabbit/OECD test: non-irritant
Primary mucous membrane irritation/rabbits' eyes/OECD test:
non-irritant

12. Ecological information

Elimination information

Test method: OECD 301C/ ISO 9408/ EEC 84/449/V, C.7
Method of analysis: BOD of COD
Degree of elimination: > 60%
Evaluation: readily biodegradable

Behaviour and environmental fate

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Inhibition of respiration in activated sludge EC20 > 1000 mg/l
(ISO 8192B/ OECD 210/ EEC 88/302 C).

Ecotoxic effects

Toxicity to fish (acute):

Test method: DIN 38 412, L1, L15
LC50/Leuciscus idus/: > 10 000 mg/l/96h
No Observed Effect Concentration (NOEC): 10 000 mg/l
EC/LC0(48 h): 10 000 mg/l

Toxicity to bacteria: Pseudomonas putida:

Test method: DIN 38412 Part 27 (draft)
EC/LC10(0.5 h): > 10 000 mg/l
EC/LC50 (0.5 h): > 10 000 mg/l
EC/LC90(0.5 h): > 10 000 mg/l

Further ecological information

Do not discharge product into natural waters without pretreatment (biological treatment plant).

COD-Value: 2190 mg/g

13. Disposal considerations

Product: Must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.

14. Transport information

Not classified as hazardous under transport regulations.

15. Regulatory information

| Labelling according to EEC Directives

| Not subject to labelling.

| National legislation/regulations

| Water hazard class: WGK (0) (Germany) (BASF self-classification)

16. Other information

A backslash in the left hand margin indicates 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.