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8EHQ-0996-13746

September 19, 1996

Document Processing Center (TS-790)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

Controls

Subject: Notice in Accordance with Section 8(e) - Aquatic toxicity data for Plurafac® LF 132 (aliphatic alcohols; C12-18)

Ladies and Gentlemen:

BASF Corporation is submitting information regarding the aquatic toxicity of **Plurafac LF 132**. A recently received MSDS from BASF Aktiengesellschaft, Ludwigshafen, Germany, reports a 48 hr EC₍₅₀₎ of 0.1-1.0 mg/l in daphnia.

All persons handling this material will be notified of these preliminary results via an updated Material Safety Data Sheet. Any reports or additional information that we receive will be forwarded to the Agency.

If you have any questions, please feel free to call me at (313) 246-6207.

Very Truly Yours,

BASF Corporation



Edward J. Kerfoot, Ph.D.
Director, Toxicology and Product Regulations



8EHQ-96-13746



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/Attachment

Safety data sheet

according to 91/155/EEC

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BASF Safety data sheet
Date / revised: 28.05.1996
Product: PLURAFAC* LF 132

ES 00292-A (D/E)
version 7

(Print date: 10.07.1996)

1. Substance/preparation and company name

PLURAFAC* LF 132

Company:
BASF Aktiengesellschaft

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

Aliphatic alcohols, C12-18, largely linear, ethoxylated, butoxylated, methylated, EINECS-No. - (100 %)

(polymer; starting materials listed in: EINECS)

3. Possible hazards

Critical hazards to man and the environment:

R36/38 - Irritating to eyes and skin.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

General advice:
Immediately remove contaminated clothing.

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, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink plenty of water, summon physician.

Note to physician:
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire fighting measures

Suitable extinguishing media:
water, dry extinguishing media, foam, carbon dioxide (CO2)

The following can be given off in a fire: gases/vapours.
The degree of risk is governed by the burning substance and the fire conditions.

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

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6. Accidental release measures

Personal precautions:

Pick up immediately as product renders floors slippery, hand protection, eye protection.

Environmental precautions:

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

Methods for cleaning up:

Contain with absorbent material and dispose.

7. Handling and storage

Handling:

No special measures necessary.

Protection against fire and explosion:

No special measures necessary.

Storage:

The product is hygroscopic. Containers should be stored tightly sealed in a cool and dry place.

8. Exposure controls and personal protection

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

Personal protective equipment

Hand protection:
 protective gloves

Eye protection:
 goggles

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 - yellowish
 Odour: product specific

Change in physical state

Solidification temperature: approx. 0 °C

Flash point: > 100 °C (DIN 51 758)

Ignition temperature: > 200 °C (DIN 51 794)

Density: (23 °C) approx. 0.93 g/cm³

Solubility in water: partly soluble
 Solubility in other solvents:
 soluble in petroleum spirit, ethanol, propan-2-ol

pH value: (at 50 g/l, 23°C) approx. 7

Viscosity: (25 °C) approx. 20 mPa.s Brookfield

10. Stability and reactivity

Conditions to avoid:
Protect against moisture.

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: > 2000 mg/kg

Primary skin irritation/rabbit/OECD 404: irritant
Primary mucous membrane irritation/rabbits' eyes/OECD 405: irritant

Additional information

Risk of serious eye damage.

12. Ecological information

Elimination information

Degree of elimination: $\geq 90\%$ BiAS (on average);
in accordance with EC Directive 73/404.

Test method: OECD-Confirmatory Test, OECD 303A
Method of analysis: DOC reduction
Degree of elimination: 60-70%

Behaviour and environmental fate

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

Ecotoxic effects

Toxicity to bacteria:
EC10 (0.5 h): >10000mg/l, Robra-Test

toxicity to daphnae (acute)
EC50 (48 h): 0.1-1mg/l

Toxicity to fish:
LC50 (96 h): 1-10mg/l, Leuciscus idus

Further ecological information

COD-Value: 2290 mg O₂/g

AOX: This product contains no organically bound halogen.

13. Disposal considerations

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

Disposal code no. for unused product: 59402(Germany)

Contaminated packaging:
Uncontaminated packs can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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14. Transport information

Land transport

ADR/RID/GGVS/GGVE Class: 9 Item number/letter: 11C
 Warning panel Hazard-no: 90 Substance no.: 3082
 UN-No: 3082
 Description of the goods: umweltgefaehrdender Stoff, fluessig, n.a.g.
 (Fettalkoholalkoxylat)

Inland waterway transport

ADN/ADNR Class: 9 Item number/letter: 11C
 Description of the goods: umweltgefaehrdender Stoff, fluessig, n.a.g.
 (Fettalkoholalkoxylat)

Sea transport

IMDG/GGVSee Class: - UN-No: - PG: -
 EMS: - MFAG: -
 Marine pollutant:
 Proper technical name: -
 Remarks: not hazardous

Air transport

ICAO/IATA Class: - UN/ID-No.: - PG: -
 Proper technical name: -
 Remarks: not hazardous

15. Regulatory information

Labelling according to EEC Directives

Xi - Irritant

R36/38 - Irritating to eyes and skin.

N - Dangerous for the environment

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

National legislation/regulations

Water hazard class: WGK 2 (Germany)

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.