

Safety data sheet

according to 91/155/EEC

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BASF Safety data sheet
Date / revised: 09.04.1998
Product: UVINUL* MS 40

ME 00098 (D/E)
version 2.01

(Print date: 29.04.1998)

1. Substance/preparation and company name

UVINUL* MS 40

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

2-hydroxy-4-methoxy-benzophenone-5-sulfonic acid

CAS-No. 4065-45-6

EINECS-No. 223-772-2

INCI-name: Benzophenone-4

3. Possible hazards

Advice on critical hazards to man and the environment:
R36/38 - Irritating to eyes and skin.

4. First aid measures

General advice: Remove contaminated clothing.

If inhaled: keep patient calm, remove to fresh air, summon medical help

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.

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

Special protective equipment: Wear self-contained breathing apparatus and protective suit.

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

6. Accidental release measures

Personal precautions: Avoid dust formation.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Sweep/shovel up.

7. Handling and storage

Handling

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

Storage

Keep tightly closed in a dry and cool 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

Respiratory protection: If breathable dust is formed.

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: powder
Colour: light yellow
Odour: odourless

Change in physical state
Melting point/melting range: Decomposes on heating.

Density: (25 °C) 0.90 g/cm³
Bulk density: 830 kg/m³ (approx.)

Solubility in water: (30 °C) 250 g/l
Solubility in other solvents: Soluble in many organic solvents.

pH value: (at 10 g/l, 20°C) < 2

Other information: none

10. Stability and reactivity

Thermal decomposition: Starts to decompose at 150°C.

Hazardous reactions with: strong alkalies, peroxides, strong oxidizing agents.
Dust explosion hazard.

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/: irritant
Primary mucous membrane irritation/rabbits' eyes/: irritant

Other information: Ames-test: no mutagenic effect

Experiences in humans

Danger of skin sensitization on repeated contact.

Preparation (5%) in: water
Non-irritant; no sensitizing effect.

12. Ecological information

Elimination information

Test method: OECD 301E/ EEC 84/449, C.3
Method of analysis: DOC reduction.
Degree of elimination: < 20%
Evaluation: Not readily biodegradable.

Test method: OECD 302B/ ISO 9888/ EEC 88/302, C
Method of analysis: DOC reduction.
Degree of elimination: > 70%
Evaluation: easy to eliminate

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 > 1 000 mg/l (ISO 8192/ OECD 209/ EEC 88/302 C).

Ecotoxic effects

Toxicity to fish (acute):
Test method: DIN 38 412, L1, L15
LC50/Leuciscus idus/: > 220 < 460 mg/l/96h
No Observed Effect Concentration (NOEC): 220 mg/l
EC/LC0(48 h): 220 mg/l

Toxicity to bacteria: Pseudomonas putida:
Test method: DIN 38412 Part 8
EC/LC10(16 h): 210 mg/l
EC/LC50 (16 h): 250 mg/l
EC/LC90(16 h): 290 mg/l

Further ecological information

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

COD-Value: 1 490 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

Xi - Irritant

R36/38 - Irritating to eyes and skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

National legislation/regulations

Water hazard class: WGK 1 (Germany) (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.
