

Trade name: Uvinul MC 80 / BASF

Date revised: 06.08.08

Dangerous substance number: 276005

Version: 1 / CH

Date of printing: 06.08.08

## **01. Identification of the substance/preparation and of the company/undertaking**

### **Trade name**

Uvinul MC 80 / BASF

Item-No. 27600500

### **Use of the substance/preparation**

Chemical

### **Company/undertaking identification**

#### **Address**

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

Emergency 0041 (0)44 251 51 51

telephone

## **02. Hazards identification**

### **Classification**

Classification R53

### **R phrases**

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

## **03. Composition / information on ingredients**

### **Hazardous ingredients**

**Tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate**

CAS no. 88122-99-0

EINECS no. 402-070-1

Concentration  $\geq$  50 %

Classification R53

## **04. First aid measures**

### **General information**

Remove contaminated clothing immediately and dispose of safely.

### **After inhalation**

Remove the casualty into fresh air and keep him calm.

### **After skin contact**

Wash off immediately with soap and water and rinse well.

### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

### **After ingestion**

Rinse out mouth and give plenty of water to drink.

## **05. Fire-fighting measures**

### **Suitable extinguishing media**

Dry powder, Water, Foam

### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.



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**Other information**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

**06. Accidental release measures****Personal precautions**

Avoid dust formation.

**Environmental precautions**

Do not allow to enter drains.

**Methods for cleaning up**

For small amounts: take up with appropriate instrument and dispose.. For large amounts: take up with appropriate instrument and dispose.

**07. Handling and storage****Handling****Advice on safe handling**

Use breathing apparatus when transferring large quantities without exhaust ventilation facilities.

**Advice on protection against fire and explosion**

Avoid formation of dust.. Take precautionary measures against static charges.. Keep away from sources of ignition.. Procure extinguisher

**Storage****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place.

**08. Expose controls/personal protection****General protective and hygiene measures**

Observe the usual precautions when handling chemicals.

**Occupational exposure controls****Respiratory protection**

Use breathing apparatus in dust-laden atmosphere.; Short term: filter apparatus, Filter P1

**Hand protection**

Chemical resistant gloves

Appropriate Material	nitrile rubber - NBR		
Material thickness	0.4	mm	
Penetrating time	> 480	min	
Appropriate Material	PVC		
Material thickness	0.7	mm	
Penetrating time	> 480	min	

**Eye protection**

Safety glasses with side protection shield

**09. Physical and chemical properties****General information**

Form	powder
Colour	white to light yellow
Odour	slight, original odour

**Important health, safety and environmental information**



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**Flash point**

Value	307	°C
Source	DIN ISO 2592	

**Melting point**

Value	appr. 129	°C
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**Ignition temperature**

Value	420	°C
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**Explosion limits**

Lower explosion limit	1.2	%(V)
Upper explosion limit	8.4	%(V)

**Density**

Value	1.10	g/cm <sup>3</sup>
temperature	25	°C

**Viscosity****kinematic**

Value	< 1.620	mm <sup>2</sup> /s
temperature	130	°C

**Solubility in water**

Value	0.007	g/l
temperature	25	°C

**Solubility in**

organic solvents

Remarks soluble

**log Pow**

log Pow	8.1
method	calculated

**10. Stability and reactivity****Conditions to avoid**

No decomposition if stored and applied as directed.

**Hazardous decomposition products**

None under normal use.

**Other information**

Danger of dust explosion

**11. Toxicological information****Acute toxicity / further data****Acute oral toxicity**

Species	rat	
LD50	> 5.000	mg/kg
method	OECD 401	

**Acute dermal toxicity**

Species	rat	
LD50	> 2.000	mg/kg
method	OECD 402	

**Irritant/corrosive effects****Irritant effect on skin**

Species	rabbit
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valuation	non-irritant
method	OECD 404

**Sensitization**

Species	guinea pig
valuation	non-sensitizing
method	OECD 406

**Effects after repeated or prolonged exposition (subacute, subchronic, cronic)****Mutagenicity**

valuation	Not considered mutagenic based on several in vitro and in vivo studies.
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**12. Ecological information****Fish toxicity**

Species	zebra fish (Brachydanio rerio)
LC50	> 1.000 mg/l
Duration of exposure	96 h
method	OECD 203
Remarks	The product was tested above its maximum solubility.

**Daphnia toxicity**

Species	Daphnia magna
EC50	> 500 mg/l
Duration of exposure	48 h
Remarks	The product was tested above its maximum solubility.

**Algae toxicity**

Species	Scenedesmus subspicatus
EC50	> 80 mg/l
Duration of exposure	72 h
Remarks	The product is slightly soluble in the test medium. An eluate was tested.
Remarks	The details of the toxic effect relate to the nominal concentration.

**Bacteria toxicity**

Species	Pseudomonas putida
EC50	> 10.000 mg/l
Duration of exposure	0.5 h
Remarks	The product is slightly soluble in the test medium. An aqueous preparation produced with the aid of solubilizers was tested.

**Biodegradability**

Value	< 20 %
Duration of test	28 d
valuation	Slightly biodegradable
method	OECD 301
Remarks	The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

**Behaviour in sewers [waste treatment plants]**

When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

**General information / ecology**

With high probability innocuous to aquatic organisms.

**13. Disposal considerations****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

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Dispose of as unused product.

## 14. Transport information

### Land transport ADR/RID

non-dangerous goods

### Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

### Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

## 15. Regulatory information

### Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC directives/the relevant national laws.

### Hazardous component(s) to be indicated on label

#### R phrases

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

#### S phrases

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

### Water Hazard Class (Ger.)

Water Hazard Class WGK 1

(Ger.)

Classification according to Annex 3 VwVwS

## 16. Other information

### R-phrases of the ingredients listed in chapter 2

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.