

PRAESTOL 2540

Version 2 Revision date: 17.11.2003

Print date: 08.01.2004

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product information

Product name : PRAESTOL 2540

COMPANY : Stockhausen GmbH & Co. KG
Bäckerpfad 25
47805 Krefeld

Telephone : ++49-2151-38-1370
Emergency phone : ++49-2151-38-1370
Telefax : ++49-2151-38-1647

Use: : Flocculating aid.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation:

Description: : Copolymer of acrylamide and sodium acrylate.

3. HAZARDS IDENTIFICATION

Spilled product in contact with water or moisture causes surfaces to become extremely slippery

4. FIRST AID MEASURES

Eye contact : Rinse with much water for a prolonged time - if ill effects occur seek medical advice.

Skin contact : Wash with water and soap. Take off contaminated clothing.

Ingestion : If ill effects occur seek medical advice immediately.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting : In case of fire carbon monoxide, nitrogen oxides

Special protective equipment for firefighters : No special requirements.

Suitable extinguishing media : Water mist, foam, carbon dioxide, dry powder

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Spilled product in contact with water or moisture causes surfaces to become extremely slippery

Environmental precautions : Collect and flush small residuals with much water into the drain for

PRAESTOL 2540

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subsequent biological waste effluent treatment.

7. HANDLING AND STORAGE

Handling

Safe handling advice : When dust is formed ensure sufficient workplace ventilation.

Storage

Requirements for storage : Store in a dry place.
areas and containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Base : MAK
Remarks: : Not applicable.

Personal protection equipment

Respiratory protection : If dust is produced.

Hand protection : Note: Recommended. Use suitable gloves as a precaution.

Eye protection : Protective goggles

Hygiene measures : Obey reasonable safety precautions and practise good housekeeping.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Powder

Colour : white

Odour : odourless

Other data

Fusing temperature : Not applicable.

Starts to boil at : Not applicable.

Flash point : Not applicable.

Ignition temperature : not determined

Upper explosion limit : Not applicable.

Bulk density : ~0,7 kg/m³

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Water solubility : at 20,0 °C
Soluble with a rise in viscosity.

pH : ~ 7,5
at 10,0 g/l (20,0 °C)

Viscosity, dynamic : 5 g/l 10% NaCl: > 200 mPa.s
at 20,0 °C

10. STABILITY AND REACTIVITY

Thermal decomposition : Stable under usual application conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD0 Mouse.
Dose: > 1.200,0 mg/kg
Method: preliminary investigation
(max. applicable dose)

Acute oral toxicity : LD50 Mouse.
Dose: > 5.000,0 mg/kg
Method: preliminary investigation
expected value

Skin irritation : Result: Not irritative.

Eye irritation : Result: Very slight eye irritation.
Particle effect

Sensitization : Guinea pig
Method: OECD Nr. 406
No sensitization.

Further information : Based on knowledge of the properties of the components, adverse effects on human health are not to be expected in normal use.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : Prevent concentrated product from penetrating into waters without biological waste water treatment.

Toxicity to algae : EC50 *Scenedesmus subspicatus*
~ 26 mg/l
Method: OECD Nr. 201

Bacterial toxicity : EC50 *Ps. putida*
> 1600 mg/l
Exposure time: 24,00 h
Method: DEV L 8

Bacterial toxicity : MHK
> 1600 mg/l

PRAESTOL 2540

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- Toxicity to daphniae : EC50 Daphnia magna
 ~ 300 mg/l
 Exposure time: 24,00 h
 Method: OECD Nr. 202
- Fish toxicity : LC50 Leuciscus idus
 ~ 140 mg/l
 Exposure time: 96,00 h
 Method: OECD Nr. 203
- Fish toxicity : LC50 Brachydanio rerio
 ~ 160 mg/l
 Exposure time: 96,00 h
 Method: OECD Nr. 203
- Further information : Acute earthworm toxicity (Eisenia foetida; OECD 207)
 LC50 > 1000 mg/kg
- Further information : Data reported in section 11 resp. 12 have been determined in the
 Laboratory for Toxicology and Ecology, STOCKHAUSEN GmbH &
 Co. KG, Krefeld.

13. DISPOSAL CONSIDERATIONS

- Product : Dispose of whilst observing local legal regulations, e.g. in a suitable
 incineration plant.
- Contaminated packaging : Undamaged packaging may be responsibly reused after proper
 cleaning.

14. TRANSPORT INFORMATION

- Further information : Not restricted according to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EEC Directive

- General advice : not subject to compulsory marking

National legislation / regulations

- Water contaminating class : 1 slightly hazardous to water (self classification)
- TA Luft (Germany) : Not applicable.

