

PRAESTOL 2440

Version 2 Revision date: 26.09.2003

Print date: 08.01.2004

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

Product information

Product name : PRAESTOL 2440

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.

CAS-No. : 25085-02-3

EINECS: : POLYMER

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

Eye contact : Rinse for a prolonged period with plenty of water; if necessary, consult a doctor.

Skin contact : Wash with soap and water. Remove contaminated clothing.

Ingestion : Seek medical advice if feeling unwell.

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

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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 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 areas and containers : Store in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

- Remarks: : Not applicable.

Personal protection equipment

- Respiratory protection** : If dust is produced.

- Hand protection** : Note: Not required. For occupational hygiene reasons it is recommended to wear gloves, e.g. rubber gloves.

- 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.

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Flash point	:	Not applicable.
Ignition temperature	:	> 200 °C Method: DIN 51794
Upper explosion limit	:	Not applicable.
Bulk density	:	~650,0 kg/m ³
Water solubility	:	at 20,0 °C Soluble with a rise in viscosity.
pH	:	~ 9 at 10,0 g/l (20,0 °C)
Viscosity, dynamic	:	1% 10% NaCl: ~ 700 mPa.s at 20,0 °C

10. STABILITY AND REACTIVITY

Thermal decomposition	:	Stable under usual application conditions.
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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 Mouse. Dose: > 5000 mg/kg Method: preliminary investigation of a 5% solution
Skin irritation	:	Rabbit Method: OECD Nr. 404 Not irritative.
Eye irritation	:	Rabbit Method: OECD Nr. 405 Not irritative.
Eye irritation	:	Result: Very slight eye irritation. Particle effect
Sensitization	:	Guinea pig Result: 0% (0/20) Method: OECD Nr. 406 No sensitization.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	:	Prevent concentrated product from penetrating into waters without biological waste water treatment.
Physico-chemical removability	:	Because of its specific substantivity the product can be eliminated well in biological waste effluent treatment plants (binding on

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	digestive sludge).
Bacterial toxicity	: Ps. putida EC50 > 2500 mg/l Exposure time: 24,00 h Method: DEV L 8
Bacterial toxicity	: MHK > 2500 mg/l
Fish toxicity	: LC50 Leuciscus idus > 150 mg/l Exposure time: 96,00 h Method: OECD Nr. 203
Further information	: Data reported in section 11 resp. 12 have been determined on a comparable product in the Laboratory for Toxicology and Ecology, STOCKHAUSEN GmbH & Co. KG, Krefeld, Germany.

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.
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15. REGULATORY INFORMATION

Labelling according to EEC Directive

General advice	: not subject to compulsory marking
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National legislation / regulations

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

16. OTHER INFORMATION

Residual monomers	: acrylamide < 0,1%
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Alterations: section 9/15

Datenblatt ausstellender Bereich: LTÖ/Produktsicherheit

Contact Person: Services Krefeld/Laboratorium für Toxikologie und
Ökologie/Produktsicherheit

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