

PRAESTOL 2415

Version 2 Revision date: 24.09.2003

Print date: 08.01.2004

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

Product information

Product name : PRAESTOL 2415

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 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

PRAESTOL 2415

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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

- 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.

PRAESTOL 2415

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Flash point	:	Not applicable.
Ignition temperature	:	not determined
Bulk density	:	600,0 - 750,0 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	:	0,5% 10% NaCl: > 180 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	:	Result: Not irritative.
Eye irritation	:	Result: Very slight eye irritation. Particle effect
Further information	:	The product is practically harmless to the skin.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	:	Due to its high polymer structure, the biodegradation of the product is negligible. 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 digestive sludge).
Bacterial toxicity	:	Ps. putida EC50 > 1000 mg/l
Fish toxicity	:	Brachydanio rerio LC50 > 100 mg/l Exposure time: 96 h
Further information	:	Data reported in section 11 resp. 12 have been determined on a

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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.

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.

16. OTHER INFORMATION

- Other information : Residual monomers: acrylamide < 0.1%

Alterations: section 1/2/3/7/8/9/11/12/15

Datenblatt ausstellender Bereich: LTÖ/Produktsicherheit

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.