

PRAESTOL 2515

Version 2 Revision date: 18.11.2003

Print date: 08.01.2004

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

Product information

Product name : PRAESTOL 2515

COMPANY : Stockhausen GmbH & Co. KG
Bäkerpfad 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

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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: 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	:	> 200 °C Method: DIN 51758
Ignition temperature	:	not determined
Upper explosion limit	:	Not applicable.
Bulk density	:	550,0 - 750,0 kg/m ³
Water solubility	:	at 20,0 °C Soluble with a rise in viscosity.
pH	:	~ 7 at 10,0 g/l (20,0 °C)
Viscosity, dynamic	:	5 g/l 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	:	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	:	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 Method: OECD Nr. 406 No sensitization.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

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- 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 > 2500 mg/l
Exposure time: 24,00 h
Method: DEV L 8
- Fish toxicity : *Leuciscus idus*
LC50 > 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.

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.

