

TICKOPUR R 22

Print date : 26.02.2008

No. : 83019

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

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Use of the substance/preparation

Cleaning agent. Universal cleaner for the ultrasonic bath, concentrate.

Company/undertaking identification

| | | | |
|----------------|----------------------|-----------------------|----------------------|
| Company name : | DR.H.STAMM GmbH | Inquiry office : | |
| Street : | Heinrichstraße | Telephone : | +49-(0)30-768 80-258 |
| Place : | D-12207 Berlin | e-mail : | sdb@dr-stamm.de |
| Telephone : | +49-(0)30-768 80-280 | Emergency telephone : | +49-(0)30-768 80-280 |
| Internet : | www.dr-stamm.de | | |

Further Information

24-hours-emergency: Giftnotruf Berlin: +49-(0)30-19240 (german, english)

2. Hazards identification**Classification**

This preparation is not classified as dangerous according to Directive 1999/45/EC.

3. Composition/information on ingredients**Chemical characterization (preparation)****Hazardous components**

| EC-No. | CAS-No. | Chemical name | Quantity | Classification |
|-----------|-------------|---|----------|----------------|
| 213-791-2 | 7732-18-5 | Water | 75-85 % | |
| 230-785-7 | 7320-34-5 | Tetrapotassium pyrophosphate | <7,0 % | |
| | 111798-26-6 | Phosphoric acid ester, sodium-salt | <6,0 % | Xi R36/38 |
| 229-912-9 | 10213-79-3 | Disodium metasilicate pentahydrat | <3,0 % | C, Xi R34-37 |
| 257-573-7 | 51981-21-6 | N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt | <1,5 % | |
| 268-938-5 | 68155-09-9 | C8-C18 Aminoxides | <1,0 % | Xi R38-41-52 |

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**General information**

Change contaminated clothing.

After inhalation

After contact with skin

After contact with skin, wash immediately with plenty of Water and soap.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Consult physician.

5. Fire-fighting measures**Suitable extinguishing media**

Water. Foam. Atomized water.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Can be released in case of fire: Nitrogen oxides (NOx). Carbon dioxide (CO2).

Special protective equipment for fire-fighters

Protective clothing.

Additional information

Material is not combustible. Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures**Personal precautions**

See protective measures under point 7 and 8.

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Environmental precautions

No special environmental protection measures are necessary.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
 Treat the assimilated material according to the section on waste disposal.

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

No special technical protective measures are necessary.

Advice on protection against fire and explosion

Product is not: Oxidizing. Flammable. explosive.

Storage**Requirements for storage rooms and vessels**

Store only in original container. Keep away from food, drink and animal feedingstuffs.

Storageclass (VCI) : LGK 12

8. Exposure controls/personal protection**Exposure limit values****Exposure limits (EH40)**

| CAS-No. | Chemical name | ml/m ³ | mg/m ³ | F/ml | Category | Origin |
|------------|-----------------------------------|-------------------|-------------------|------|----------------------------|------------|
| 10213-79-3 | Disodium metasilicate pentahydrat | | 1,5 | | TWA (8 h) STEL (15 min) | DFG DFG |

Exposure controls**Occupational exposure controls**

Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

Respiratory protection

Respiratory protection not required.

Hand protection

Suitable material: PE (polyethylene). NR (Natural rubber (Caoutchouc), Natural latex). CR (polychloroprenes, Chloroprene rubber). NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer (Viton)).

Eye protection

Eye protection: not required.

Skin protection

Skin protection: not required.

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

Physical state : liquid
 Colour : clear, yellow
 Odour : characteristic

Important health, safety and environmental information

pH-Value (at 20 °C) : 12,8 (conc.) 9,8 (1 %) Test method
 DGF H-III 1

Changes in the physical state

Melting point : -8 °C
 Boiling point : >100 °C
 Flash point : ---

Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

Density (at 20 °C) : 1,10 g/cm³ DIN 12791
 Water solubility : miscible.

10. Stability and reactivity**Additional information**

Do not mix with other products.

11. Toxicological information**Corrosive and irritant effects**

Irritant effect on the eye: mild irritant.

Sensitising effects

no danger of sensitization.

12. Ecological information**Ecotoxicity**

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge. due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

13. Disposal considerations**Advice on disposal**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

14. Transport information**Further Information**

Not a hazardous material with respect to transportation regulations.

15. Regulatory information**Labelling****EU regulatory information**

1999/13/EC (VOC) : 0 % (0g/l)

National regulatory information

Water contaminating class : 1 - slightly water contaminating

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

| | |
|-------|-----------------------------------|
| 34 | Causes burns. |
| 36/38 | Irritating to eyes and skin. |
| 37 | Irritating to respiratory system. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |
| 52 | Harmful to aquatic organisms. |

Further Information

Training instructions: Notice the directions for use on the label.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)