

TICKOPUR R 27

Print date: 05.03.2010

No.: 83020

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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. Special acid cleaner for the ultrasonic bath, concentrate,
*Restricted to professional users.

Company/undertaking identification

| | | | |
|----------------|----------------------|--------------------------|----------------------|
| Company name : | DR.H.STAMM GmbH | Responsible Department : | |
| Street : | Heinrichstr. 3-4 | 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)30-30686790 (german, english)

2. Hazards identification**Classification**

Indications of danger : Corrosive
R-phrases:
Causes burns.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

| EC-No. | CAS-No. | Chemical name | Quantity | Classification |
|-----------|------------|---|----------|---------------------|
| 231-633-2 | 7664-38-2 | phosphoric acid ... %, orthophosphoric acid ... % | <60 % | C R34 |
| 213-791-2 | 7732-18-5 | Water | 30-40 % | |
| | 68439-50-9 | C12-C14 Fatty alcohol ethoxylate | <10,0 % | Xn, Xi, N R22-41-50 |

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

4. First aid measures**General information**

Take off immediately all contaminated clothing.

After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. 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). Phosphorus oxides.

Special protective equipment for fire-fighters

Special protective equipment for fire-fighters: Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes.

Additional information

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

6. Accidental release measures**Personal precautions**

Keep away from unprotected people. Keep upwind. Wear respiratory protection when in the presence of vapour, dust, and aerosols. Guide people to safety.

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Environmental precautions

Do not empty into drains or the aquatic environment. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods for cleaning up/taking up

Clean contaminated articles and floor according to the environmental legislation. Treat the assimilated material according to the section on waste disposal. Suitable absorbing material: Sand Universal binding agent. earth. Sawdust.

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

It is recommended to organise all working processes in order to exclude the following: skin contact. Eye contact.

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 8 B

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 |
|-----------|----------------------|-------------------|-------------------|------|---------------|--------|
| 7664-38-2 | Orthophosphoric acid | - | 1 | | TWA (8 h) | WEL |
| | | - | 2 | | STEL (15 min) | WEL |

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.

Take off immediately all contaminated clothing.

Wash hands before breaks and at the end of work.

Respiratory protection

Respiratory protection not required.

Hand protection

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

penetration time (maximum wearing period): >480 min. Breakthrough times and swelling characteristics of the material must be taken into consideration.

Eye protection

Framed glasses.

Skin protection

Lab apron.

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) : 0,5 (conc.) 1,9 (1 %) Test method
 DGF H-III 1

Changes in the physical state

Melting point : -20 °C
 Boiling point : 100 °C
 Sublimation point : n.a.
 Softening point : n.a.

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Flash point : non-flammable

Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

Density (at 20 °C) : 1,40 g/cm³ DIN 12791

Water solubility (at 20 °C) : complete miscible

10. Stability and reactivity**Materials to avoid**

Alkalis (alkalis), concentrated. Alkali metals.

Hazardous decomposition products

None, in case of proper use.

11. Toxicological information**Acute toxicity**

Acute toxicity, oral LD50: 1530 mg/kg, Rat.

Acute toxicity, dermal LC50: 1,69 mg/l 1h, Rat.

Data apply to the principal component.

Corrosive and irritant effects

Irritant effect on the skin: corrosive. Irritant effect on the eye: corrosive.

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.

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**Land transport (ADR/RID)**

ADR/RID class : 8

UN number : 1805

ADR/RID packing group : III

Hazard-no. : 80

Hazard label : 8

Classification code : C1

Description of the goods

PHOSPHORIC ACID SOLUTION

Other applicable information (land transport)

Transport-category: 3 *: E

Marine transport

IMDG code : 8

UN number : 1805

Hazard label : 8

IMDG packing group : III

EmS : F-A, S-B

Marine pollutant : no

Description of the goods

PHOSPHORIC ACID SOLUTION

Air transport

ICAO/IATA-DGR : 8

UN/ID number : 1805

Hazard label : 8

ICAO packing group : III

Description of the goods

PHOSPHORIC ACID SOLUTION

15. Regulatory information**Labelling**

Danger symbols :

C - Corrosive

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Hazardous components which must be listed on the label

phosphoric acid ... %, orthophosphoric acid ... %

R phrases

34 Causes burns.

S phrases

02 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

EU regulatory information

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

National regulatory information

Water contaminating class (D) : 2 - water contaminating

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

22 Harmful if swallowed.

34 Causes burns.

41 Risk of serious damage to eyes.

50 Very toxic 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.

Changes

* Data changed from previous versions

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