

*** R+M de Wit Enthärter-Flüssigkeit**

Date revised: 02.04.2015

8730703210

Version: 4 / DE

: MA-921

Date of printing: 21.05.15

1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Trade name**

R+M de Wit Enthärter-Flüssigkeit

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Water conditioner

1.3. Details of the supplier of the safety data sheet

BÜFA Reinigungssysteme

GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no.

+49 441 9317 0

Fax no.

+49 441 9317 100

Information provided

Department product safety / +49 441 9317 108

by / telephone

E-mail address:

produktsicherheit-rs@buefa.de

1.4. Emergency telephone number

Giftzentrale Göttingen: +49 551 19 240

2. Hazards identification**2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**This product is not
classified hazardous.**Classification in accordance with EC directives 1999/45/EC and 67/548/EEC**This product is not
classified hazardous.**2.2. Label elements****Labelling according to regulation (EC) No 1272/2008****Precautionary statements**Does not require a hazard warning label, but the normal safety precautions for
handling of chemicals must be observed.**2.3. Other hazards**

The product does not contain PBT/vPvB-substances

3. Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients**

Supplemental information

The product does not contain hazardous ingredients.

4. First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air.

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After skin contact

Wash off immediately with soap and water.

After eye contactIn case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution.
Seek medical advice immediately.**After ingestion**

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

There is no further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed

There is no further relevant information available

5. Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

Cool endangered containers with water spray jet.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage**7.1. Precautions for safe handling**

Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to 12 Non-combustible liquids
TRGS 510

Keep container tightly closed.

7.3. Specific end use(s)

No information available

8. Exposure controls/personal protection**8.1. Control parameters**

Exposure limit values

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List

There is not known any national exposure limit.

8.2. Exposure controls**General protective and hygiene measures**

Before beginning work use a water resistant skin protection lotion.

Respiratory protection

Not necessary.

Hand protection

Not necessary.

Eye protection

Not necessary.

Body protection

Clothing as usual in the chemical industry.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid			
Colour	orange			
Odour	odourless			
pH value				
Value	6,00	to	8,00	
Flash point				
Value	>	100		°C
Density				
Value	1,000	to	1,020	kg/l
Solubility in water				
Remarks	miscible			
Viscosity				
Value	appr.	10		s
Method	DIN 53211 4 mm			

10. Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological information**11.1. Information on toxicological effects**

By appropriate use of the product no health damage is known.

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Acute oral toxicity

No toxicological data are available.

Acute dermal toxicity

No toxicological data are available.

Acute inhalational toxicity

No toxicological data are available.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

evaluation slight irritant effect - does not require labelling

Sensitization

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information**12.1. Toxicity****Fish toxicity**

No toxicological data are available.

Daphnia toxicity

No toxicological data are available.

Algae toxicity

No toxicological data are available.

Bacteria toxicity

No toxicological data are available.

12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

The product does not contain PBT/vPvB-substances

12.6. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

13. Disposal considerations**13.1. Waste treatment methods**

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Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

14. Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

15. Regulatory information**Ingredients (Regulation (EC) No 648/2004)****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

Remarks Classification according to Annex 4 VwVwS

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

16. Other information**Abbreviations**

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very persistent and very bioaccumulative

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.