

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 03.08.2009

Revision: 01.07.2009

1 Identification of the substance/preparation and of the company

- **Product details**
- **Trade name:** **REBAnit S**
- **Application of the substance / the preparation** Cleaning material/ Detergent
- **Manufacturer/Supplier:**
REMEI Blomberg GmbH & Co. KG
Industriestraße 19
D-32825 Blomberg / Germany
Tel.: +49 5235 963-0
huebner-sdb@remei.de
- **Further information obtainable from:**
Sales department
Walter Best
Tel.: +49 5235 963-0
Fax: +49 5235 963-230
E-Mail: wb@remei.de
- **Information in case of emergency:**
Giftinformationszentrum - Nord / GIZ-Nord Poisons Centre
Zentrum für Pharmakologie und Toxikologie
der Universität Göttingen
Robert Koch Str. 40
D-37075 Göttingen


Emergency call No.: +49 551 19240

2 Hazards identification

- **Hazard description:**



C Corrosive

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the analysis of the "General Classification directive for preparations in the EU" according to the latest version.
R 34 Causes burns.
- **Classification system:**
The classification is in accordance with current EC lists and supplemented by company and literature data.
- **GHS label elements**
 **Danger**

H314 - Causes severe skin burns and eye damage.
- **Prevention:**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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• **Response:**

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

• **Storage:**

P405 Store locked up.

• **Disposal:**


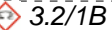


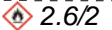
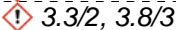

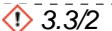


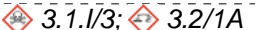
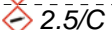


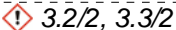
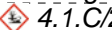



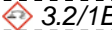
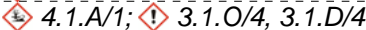


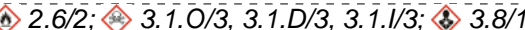
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

• **Chemical characterization**

• **Description:** Mixture: consisting of the following ingredients.

• **Dangerous components:**

| | | |
|--------------------------------------|--|---------|
| CAS: 7664-38-2 EINECS: 231-633-2 | phosphoric acid  C; R 34 Danger:  | 2.5-10% |
| | Isopropylalkohol  Xi,  F; R 11-36-67 Danger:  Warning:  | 2.5-10% |
| CAS: 5949-29-1 EINECS: 201-069-1 | citric acid  Xi; R 36 Warning:  | 2.5-10% |
| CAS: 7647-01-0 EINECS: 231-595-7 | hydrogen chloride  T,  C; R 23-35 Danger:  Warning:  | ≤ 2.5% |
| CAS: 37205-87-1 | 6-nonyl fenylpolyoxyethylen ether  Xi,  N; R 36/38-51/53 Warning:   | ≤ 2.5% |
| CAS: 61789-71-7 EINECS: 263-080-8 | Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides  C,  Xn,  N; R 21/22-34-50 Danger:  Warning:  | ≤ 2.5% |
| CAS: 67-56-1 EINECS: 200-659-6 | methanol  T,  F; R 11-23/24/25-39/23/24/25 Danger:  | ≤ 2.5% |

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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **General information:** Immediately remove all clothing contaminated by the product.
- **After inhalation:**
In case of unconsciousness place patient in a stable side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation persists, seek medical advice.
- **After eye contact:**
Rinse opened eyes for several minutes under running water. If symptoms persist, seek medical advice.
- **After swallowing:**
Do not induce vomiting; seek medical advice immediately.
Rinse mouth and drink plenty of water.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray jet. Fight larger fire with water spray jet or foam.
- **Protective equipment:** No special measures required.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.
- **Measures for environmental protection:**
Do not allow product to enter sewers / surface water or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
Use neutralizing agent.
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.

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Prevent formation of aerosols.

No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Protect against frost.

Keep container tightly closed.

· **Storage class:**

· **Class according to regulation on flammable liquids:** None

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

7664-38-2 phosphoric acid (2.5-10%)

WEL Short-term value: 2 mg/m³

Long-term value: 1 mg/m³

Isopropylalkohol (2.5-10%)

WEL Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

7647-01-0 hydrogen chloride (≤ 2.5%)

WEL Short-term value: 8 mg/m³, 5 ppm

Long-term value: 2 mg/m³, 1 ppm

(gas and aerosol mists)

67-56-1 methanol (≤ 2.5%)

WEL Short-term value: 333 mg/m³, 250 ppm

Long-term value: 266 mg/m³, 200 ppm

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· **Additional information:** Actual lists were used as a basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Reasonable precautions have to be taken when handling chemicals.

Keep separately from foodstuffs, beverages and animal feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid eye and skin contact.

Be sure to clean skin thoroughly after work and before breaks.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

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Acid resistant gloves

Preventive skin protection by use of skin-protecting agents is recommended.

Glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests there is no recommendation for the glove material that can be given for the product / the preparation / the chemical mixture.

Selection of glove materials made on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The product is a preparation of several substances. The resistance of the glove material cannot be calculated in advance and has therefore to be tested prior to application.

· **Penetration time of glove material**

The exact penetration time has to be stated by the manufacturer of the protective gloves and must be observed.

· **Not suitable are gloves made of the following materials:**

Leather gloves

Thick fabric gloves

· **Eye protection:**



Tightly fitting goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

| | |
|----------------|------------------------------------|
| Form: | Liquid |
| Colour: | According to product specification |
| Odour: | Characteristic |

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: 100°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product does not self-ignite.

· **Danger of explosion:** Product is non-explosive.

· **Vapour pressure at 20°C:** 23 hPa

· **Density:** 1,15 +/- 0,03 g/cm³

· **Solubility in / Miscibility with water:** Completely miscible.

· **pH-value:** < 2,0

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No hazardous reactions known.
- **Dangerous decomposition products:** No hazardous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

7664-38-2 phosphoric acid

| | | |
|------------|------|--------------------|
| Oral | LD50 | 1530 mg/kg (Rat) |
| Inhalative | LC50 | 2740 mg/L (rabbit) |

- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following hazards according to the analysis of the General EU Classification Directives for Preparations as issued in the latest version:
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the risk of perforation of esophagus and stomach.

12 Ecological information

- **General notes:**
Water pollution class 1 (German Regulation) (Self-assessment): slightly hazardous to waters
Do not allow undiluted product or large quantities of it to enter ground water, water course or sewage system.
May not enter sewage water or drainage ditch undiluted or unneutralized.

13 Disposal considerations

- **Product:**
- **Recommendation**
May not be disposed together with household waste. Do not allow product to enter sewage system.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

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14 Transport information


- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** 8 (C1) Corrosive substances.
- **Danger code (Kemler):** 80
- **UN-Number:** 3264
- **Packaging group:** II
- **Hazard label** 8
- **Description of goods:** 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (HYDROGEN CHLORIDE, PHOSPHORIC ACID, SOLUTION)

- **Maritime transport IMDG:**
- **IMDG Class:** 8
- **UN Number:** 3264
- **Label** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROGEN CHLORIDE, PHOSPHORIC ACID, SOLUTION)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3264
- **Label** 8
- **Packaging group:** II
- **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROGEN CHLORIDE, PHOSPHORIC ACID, SOLUTION)

- **UN "Model Regulation":** UN3265; CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.; 8; III

15 Regulatory information

- **Labelling according to EU guidelines:**
The product is classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
 - **Code letter and hazard designation of product:**
- 

C Corrosive
- **Hazard-determining components of labelling:**
phosphoric acid
 - **Risk phrases:**
34 Causes burns.
 - **Safety phrases:**
 - 20 When using do not eat or drink.
 - 23 Do not breathe aerosol.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60 This material and its container must be disposed of as hazardous waste.

- **National regulations:**
- **Classification according to VbF:** None
- **Waterhazard class:** Water pollution class 1 (Self-assessment): slightly hazardous to waters.

16 Other information

This information is based on our current state of knowledge. It does not constitute an assurance of product properties and does not apply a legal contractual relationship.

• **Relevant R-phrases**

- 11 Highly flammable.
21/22 Harmful in contact with skin and if swallowed.
23 Toxic by inhalation.
23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
34 Causes burns.
35 Causes severe burns.
36 Irritating to eyes.
36/38 Irritating to eyes and skin.
39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
50 Very toxic to aquatic organisms.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

• **Department issuing MSDS:** Quality control

• **Contact:** Barbara Hübner

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- *** Data compared to the previous version altered.**

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