

## Safety Data Sheet

according to UK REACH Regulation

### pHReducer

Revision date: 04.01.2024

Product code: 090604-CN

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

pHReducer

UFI: T7V2-10WT-4006-46MR

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Professional cleaners for industrial use

### 1.3. Details of the supplier of the safety data sheet

|                         |                               |                           |
|-------------------------|-------------------------------|---------------------------|
| Company name:           | kolb Cleaning Technology GmbH |                           |
| Street:                 | Karl-Arnold-Str. 12           |                           |
| Place:                  | D-47877 Willich               |                           |
| Telephone:              | +49-2154-947938               | Telefax: +49-2154-947947  |
| e-mail:                 | info@kolb-ct.com              |                           |
| Contact person:         | Christian Linker              | Telephone: +49-2324-97980 |
| e-mail:                 | christian.linker@kolb-ct.com  |                           |
| Internet:               | www.kolb-ct.com               |                           |
| Responsible Department: | Labor/ QS                     |                           |

### 1.4. Emergency telephone number:

+49/ (0) 23 24/ 979817 (EU)  
+61 4 19 809 805 (Australia)  
+1 970 443 9233 (USA)  
Schweiz: 145

### Further Information

|                                     |                           |
|-------------------------------------|---------------------------|
| Australia:                          | USA:                      |
| kolb Cleaning Technology AP PTY LTD | kolb USA LLC              |
| 6/150 Canterbury Road               | 410 Sunset, Unit C        |
| NSW 2200 Bankstown                  | 80501 Longmont – CO       |
| Phone: +61 2 97900273               | Phone 001- 970-532-5100   |
| Mobile +61 4 19 809 805             | Mobile: 001- 970-443-9233 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Skin Corr. 1; H314  
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

##### Hazard components for labelling

sulphamic acid; sulphamic acid; sulfamic acid

Signal word: Danger

##### Pictograms:



##### Hazard statements

H314 Causes severe skin burns and eye damage.

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#### Precautionary statements

|                |  |
|----------------|--|
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.                                    |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                           |
| 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/doctor.   |
| P363           | Wash contaminated clothing before reuse.   |

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

| CAS No    | Chemical name  |              |          | Quantity   |
|-----------|--|--------------|----------|------------|
|           | EC No  | Index No     | REACH No |            |
|           | Classification (GB CLP Regulation)                             |              |          |            |
| 5329-14-6 | sulphamidic acid; sulphamic acid; sulfamic acid                |              |          | 5 - < 15 % |
|           | 226-218-8  | 016-026-00-0 |          |            |
|           | Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412 |              |          |            |

Full text of H and EUH statements: see section 16.

##### Specific Conc. Limits, M-factors and ATE

| CAS No    | EC No                                    | Chemical name                                   | Quantity   |
|-----------|--|---|------------|
|           | Specific Conc. Limits, M-factors and ATE |   |            |
| 5329-14-6 | 226-218-8                                | sulphamidic acid; sulphamic acid; sulfamic acid | 5 - < 15 % |
|           | oral: LD50 = 3160 mg/kg                  |   |            |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

##### After inhalation

Provide fresh air. Medical treatment necessary.

##### After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

##### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

##### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

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

No information available.

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

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

#### **5.2. Special hazards arising from the substance or mixture**

Non-flammable.

#### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Do not breathe gas/fumes/vapour/spray.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up.

##### **Hints on joint storage**

No special measures are necessary.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                          |
|---|--------------------------|
| Physical state:   | Liquid                   |
| Colour:   | blue violet              |
| Odour:  | neutral                  |
| Melting point/freezing point:                             | not determined           |
| Boiling point or initial boiling point and boiling range: | 100 °C                   |
| Flammability:   | not applicable           |
| Lower explosion limits:                                   | not applicable           |
| Upper explosion limits:                                   | not determined           |
| Flash point:  | not determined           |
| Decomposition temperature:                                | not determined           |
| pH-Value (at 20 °C):                                      | 1,5                      |
| Water solubility:<br>(at 20 °C)                           | full soluble in water.   |
| Solubility in other solvents                              | not determined           |
| Partition coefficient n-octanol/water:                    | not determined           |
| Vapour pressure:<br>(at 20 °C)                            | not determined           |
| Density (at 20 °C):                                       | 1,0360 g/cm <sup>3</sup> |
| Relative vapour density:                                  | not determined           |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Self-ignition temperature

|        |                |
|--------|----------------|
| Solid: | not applicable |
| Gas:   | not applicable |

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Oxidizing properties  
Not oxidising.

#### Other safety characteristics

Evaporation rate: not determined  
Solid content: not determined  
Viscosity / dynamic:  
(at 20 °C) 18 mPa·s

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Possibility of hazardous reactions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Base, Peroxides, Oxidising agent.

### 10.4. Conditions to avoid

none

### 10.5. Incompatible materials

Keep away from: Base, Oxidising agent, Peroxides.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

| CAS No    | Chemical name                                   |               |         |        |        |
|-----------|---|---------------|---------|--------|--------|
|           | Exposure route                                  | Dose          | Species | Source | Method |
| 5329-14-6 | sulphamidic acid; sulphamic acid; sulfamic acid |               |         |        |        |
|           | oral  | LD50<br>mg/kg | 3160    | Rat    |        |

#### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

| CAS No    | Chemical name                                   |              |           |         |        |        |
|-----------|---|--------------|-----------|---------|--------|--------|
|           | Aquatic toxicity                                | Dose         | [h]   [d] | Species | Source | Method |
| 5329-14-6 | sulphamidic acid; sulphamic acid; sulfamic acid |              |           |         |        |        |
|           | Acute fish toxicity                             | LC50<br>mg/l | 42,2      | 96 h    |        |        |

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

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#### **12.4. Mobility in soil**

The product has not been tested.

#### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### **12.7. Other adverse effects**

No information available.

#### **Further information**

Avoid release to the environment.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### **List of Wastes Code - residues/unused products**

060199 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; wastes not otherwise specified

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

### **SECTION 14: Transport information**

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

No information available.

#### **14.7. Maritime transport in bulk according to IMO instruments**

not applicable

### **SECTION 15: Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

##### **Additional information**

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

##### **National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

#### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

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#### 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)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Skin Corr. 1; H314 | On basis of test data    |
| Eye Dam. 1; H318   | On basis of test data    |

#### Relevant H and EUH statements (number and full text)

H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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