

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

TECWERK

Version number: GHS 2.0  
Replaces version of: 2025-01-21 (GHS 1)

Revision: 2025-09-23

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

### 1.1 Product identifier

**Trade name** TECWERK KALK- UND BETONLÖSER  
**Unique formula identifier (UFI)** 9H50-J0XF-A00V-5N1N

**Article number** 2000 354 680

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

**Relevant identified uses** General use  
Cleaning agent

**Uses advised against** Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

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

NORDWEST Handel AG  
Robert-Schuman-Str. 17  
44263 Dortmund  
Germany

Telephone: +49 231 2222-3001  
e-mail: info@nordwest.com  
Website: www.nordwest-tecwerk.com

**e-mail (competent person)** sdb@nordwest.com

### 1.4 Emergency telephone number

| Poison centre |                                                                                                                                                  |                  |                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------|
| Country       | Name                                                                                                                                             | Postal code/city | Telephone                              |
| Austria       | Vergiftungsinformationszentrale (VIZ)                                                                                                            |                  | <b>+43 (0)1 406 43 43</b>              |
| Germany       | Gemeinsamen Giftinformationszentrum (GGIZ) der Laender Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thueringen c/o HELIOS Klinikum Erfurt | 99089 Erfurt     | <b>+49-361-730730</b>                  |
| Luxembourg    | Poison Centre Luxemburg                                                                                                                          |                  | <b>(+352) 8002 5500</b>                |
| Switzerland   | Tox Info Suisse                                                                                                                                  |                  | <b>+145, 24h oder +41 44 251 51 51</b> |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

| Section | Hazard class                             | Category | Hazard class and category | Hazard statement |
|---------|------------------------------------------|----------|---------------------------|------------------|
| 2.16    | substance or mixture corrosive to metals | 1        | Met. Corr. 1              | H290             |
| 3.2     | skin corrosion/irritation                | 1        | Skin Corr. 1              | H314             |
| 3.3     | serious eye damage/eye irritation        | 1        | Eye Dam. 1                | H318             |

For full text of abbreviations: see SECTION 16.

#### The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP)**

**Signal word** danger

#### Pictograms

GHS05



#### Hazard statements

H290  
H314

May be corrosive to metals.  
Causes severe skin burns and eye damage.

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TECWERK

2000 354 680 - TECWERK KALK- UND BETONLÖSER

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## Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Child-resistant fastening** yes

**Tactile warning of danger** yes

**Hazardous ingredients for labelling** orthophosphoric acid

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

| Identifier                                                                                                                             | Name of substance    | Wt%       | Classification acc. to GHS                                                              | Pictograms                                                                                                                                                                 | Notes | Specific Conc. Limits                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS No<br>7664-38-2<br><br>EC No<br>231-633-2<br><br>Index No<br>015-011-00-6<br><br>REACH Reg.<br>No<br>01-<br>2119485924-<br>24-xxxx | orthophosphoric acid | 10 - < 25 | Met. Corr. 1 / H290<br>Acute Tox. 4 / H302<br>Skin Corr. 1B / H314<br>Eye Dam. 1 / H318 |   | IOELV | Skin Corr. 1B;<br>H314: $C \geq 25\%$<br>Skin Irrit. 2; H315:<br>$10\% \leq C < 25\%$<br>Eye Dam. 1; H318:<br>$C \geq 25\%$<br>Eye Irrit. 2; H319:<br>$10\% \leq C < 25\%$ |

#### Notes

IOELV: Substance with a community indicative occupational exposure limit value

| Hazardous ingredients, Specific Conc. Limits, M-factors, ATE |                                                                                                                                                                |           |             |                |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|----------------|
| Name of substance                                            | Specific Conc. Limits                                                                                                                                          | M-Factors | ATE         | Exposure route |
| orthophosphoric acid                                         | Skin Corr. 1B; H314: $C \geq 25\%$<br>Skin Irrit. 2; H315: $10\% \leq C < 25\%$<br>Eye Dam. 1; H318: $C \geq 25\%$<br>Eye Irrit. 2; H319: $10\% \leq C < 25\%$ | -         | 588.2 mg/kg | oral           |

#### Remarks

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Revision: 2025-09-23

Replaces version of: 2025-01-21 (GHS 1)

## Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

## Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

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

Substance or mixture corrosive to metals.

#### Hazardous combustion products

Phosphorus oxides (P<sub>x</sub>O<sub>y</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

#### Advice on how to contain a spill

Covering of drains

#### Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

#### Handling of incompatible substances or mixtures

Do not mix with alkali.

#### Keep away from

Caustic solutions

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

#### Managing of associated risks

#### Corrosive conditions

Store in corrosive resistant container with a resistant inner liner.

#### Control of effects

#### Protect against external exposure, such as

frost

#### Packaging compatibilities

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

TECWERK

2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Revision: 2025-09-23

Replaces version of: 2025-01-21 (GHS 1)

Keep only in original container.

## Storage class (LGK) TRGS 510

LGK 8 B (non-combustible corrosive materials (except only corrosive to metals))

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent        | CAS No    | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source     |
|---------|----------------------|-----------|------------|-----------|-------------|------------|--------------|-----------------|-------------------|----------|------------|
| DE      | orthophosphoric acid | 7664-38-2 | AGW        |           | 2           |            | 4            |                 |                   | i, Y     | TRGS 900   |
| DE      | phosphoric acid      | 7664-38-2 | MAK        |           | 2           |            | 4            |                 |                   | i        | DFG        |
| EU      | orthophosphoric acid | 7664-38-2 | IOEL V     |           | 1           |            | 2            |                 |                   |          | 2000/39/EC |

#### Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

i inhalable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Y a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

#### Relevant DNELs of components

| Name of substance    | CAS No    | Endpoint | Threshold level | Protection goal, route of exposure | Used in           | Exposure time           |
|----------------------|-----------|----------|-----------------|------------------------------------|-------------------|-------------------------|
| orthophosphoric acid | 7664-38-2 | DNEL     | 2 mg/m³         | human, inhalatory                  | worker (industry) | acute - local effects   |
| orthophosphoric acid | 7664-38-2 | DNEL     | 1 mg/m³         | human, inhalatory                  | worker (industry) | chronic - local effects |

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)



Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

#### Eye/face protection

Use protective eyewear to guard against splash of liquids.

#### Skin protection

##### Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

#### Type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

#### Breakthrough times of the glove material

>480 minutes (permeation: level 6)

#### Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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according to Regulation (EC) No. 1907/2006 (REACH)

TECWERK

2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Replaces version of: 2025-01-21 (GHS 1)

Revision: 2025-09-23

## Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                          |                                                  |
|----------------------------------------------------------|--------------------------------------------------|
| Physical state                                           | liquid                                           |
| Colour                                                   | red                                              |
| Odour                                                    | characteristic                                   |
| Melting point/freezing point                             | -11 °C at 1,013 mPa                              |
| Boiling point or initial boiling point and boiling range | 100 °C at 1.013 bar                              |
| Flammability                                             | non-combustible                                  |
| Lower and upper explosion limit                          | not determined                                   |
| Flash point                                              | not determined                                   |
| Auto-ignition temperature                                | not determined                                   |
| Decomposition temperature                                | not relevant                                     |
| pH (value)                                               | 0.5 (in aqueous solution: 100 wt%, 20 °C) (acid) |
| Kinematic viscosity                                      | not determined                                   |
| Solubility(ies)                                          | not determined                                   |

#### Partition coefficient

Partition coefficient n-octanol/water (log value) this information is not available

Vapour pressure 0.023 bar at 20 °C

#### Density and/or relative density

Density 1.143 g/ml (calculated value)

Relative vapour density information on this property is not available

### 9.2 Other information

Information with regard to physical hazard classes there is no additional information

Other safety characteristics there is no additional information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". Substance or mixture corrosive to metals.

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.  
Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

#### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

# Safety Data Sheet

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TECWERK

2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Revision: 2025-09-23

Replaces version of: 2025-01-21 (GHS 1)

| Acute toxicity estimate (ATE) of components |           |                |             |
|---------------------------------------------|-----------|----------------|-------------|
| Name of substance                           | CAS No    | Exposure route | ATE         |
| orthophosphoric acid                        | 7664-38-2 | oral           | 588.2 mg/kg |

## Skin corrosion/irritation

Causes severe skin burns and eye damage.

## Serious eye damage/eye irritation

Causes serious eye damage.

## Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

## Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

## Carcinogenicity

Shall not be classified as carcinogenic.

## Reproductive toxicity

Shall not be classified as a reproductive toxicant.

## Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

## Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

## Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

##### List of wastes, (Recommendations)

##### Product

20 01 29\* Detergents containing hazardous substances

##### Product residues

15 01 10\* Packaging containing residues of or contaminated by hazardous substances

##### Packagings

15 01 02 Plastic packaging

##### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID/ADN

UN 1805

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TECWERK

## 2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Revision: 2025-09-23

Replaces version of: 2025-01-21 (GHS 1)

|             |                                                                |                                                                              |
|-------------|----------------------------------------------------------------|------------------------------------------------------------------------------|
|             | <b>IMDG-Code</b>                                               | UN 1805                                                                      |
|             | <b>ICAO-TI</b>                                                 | UN 1805                                                                      |
| <b>14.2</b> | <b>UN proper shipping name</b>                                 |                                                                              |
|             | <b>ADR/RID/ADN</b>                                             | PHOSPHORIC ACID, SOLUTION                                                    |
|             | <b>IMDG-Code</b>                                               | PHOSPHORIC ACID, SOLUTION                                                    |
|             | <b>ICAO-TI</b>                                                 | Phosphoric acid, solution                                                    |
| <b>14.3</b> | <b>Transport hazard class(es)</b>                              |                                                                              |
|             | <b>ADR/RID/ADN</b>                                             | 8                                                                            |
|             | <b>IMDG-Code</b>                                               | 8                                                                            |
|             | <b>ICAO-TI</b>                                                 | 8                                                                            |
| <b>14.4</b> | <b>Packing group</b>                                           |                                                                              |
|             | <b>ADR/RID/ADN</b>                                             | III                                                                          |
|             | <b>IMDG-Code</b>                                               | III                                                                          |
|             | <b>ICAO-TI</b>                                                 | III                                                                          |
| <b>14.5</b> | <b>Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations        |
| <b>14.6</b> | <b>Special precautions for user</b>                            |                                                                              |
|             |                                                                | Provisions for dangerous goods (ADR) should be complied within the premises. |
| <b>14.7</b> | <b>Maritime transport in bulk according to IMO instruments</b> |                                                                              |
|             |                                                                | The cargo is not intended to be carried in bulk.                             |

### Information for each of the UN Model Regulations

#### **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information**

|                     |    |
|---------------------|----|
| Classification code | C1 |
| Danger label(s)     | 8  |



|                               |     |
|-------------------------------|-----|
| Excepted quantities (EQ)      | E1  |
| Limited quantities (LQ)       | 5 L |
| Transport category (TC)       | 3   |
| Tunnel restriction code (TRC) | E   |
| Hazard identification No      | 80  |

#### **International Maritime Dangerous Goods Code (IMDG) Additional information**

|                  |   |
|------------------|---|
| Marine pollutant | - |
| Danger label(s)  | 8 |



|                          |           |
|--------------------------|-----------|
| Special provisions (SP)  | 223       |
| Excepted quantities (EQ) | E1        |
| Limited quantities (LQ)  | 5 L       |
| EmS                      | F-A, S-B  |
| Stowage category         | A         |
| Segregation group        | 1 - Acids |

#### **International Civil Aviation Organization (ICAO-IATA/DGR) Additional information**

|                 |   |
|-----------------|---|
| Danger label(s) | 8 |
|-----------------|---|



|                          |     |
|--------------------------|-----|
| Special provisions (SP)  | A3  |
| Excepted quantities (EQ) | E1  |
| Limited quantities (LQ)  | 1 L |

## SECTION 15: Regulatory information

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

#### **Relevant provisions of the European Union (EU)**

none of the ingredients are listed

#### **List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

none of the ingredients are listed

#### **Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

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2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Revision: 2025-09-23

Replaces version of: 2025-01-21 (GHS 1)

none of the ingredients are listed

**Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

none of the ingredients are listed

**Water Framework Directive (WFD)**

none of the ingredients are listed

**Regulation on the marketing and use of explosives precursors**

none of the ingredients are listed

**Regulation 648/2004/EC on detergents**

| Labelling of contents |                             |
|-----------------------|-----------------------------|
| Constituents          | Weight % content (or range) |
| non-ionic surfactants | less than 5 %               |

**Regulation on persistent organic pollutants (POP)**

none of the ingredients are listed

**National regulations (Germany)**

**Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)**

**Wassergefährdungsklasse, WGK (water hazard class)** 1 slightly hazardous to water

**Technical instructions on air quality control (Germany)**

| Number | Group of substances | Class | Conc.       | Mass flow | Mass concentration   | Notation |
|--------|---------------------|-------|-------------|-----------|----------------------|----------|
| 5.2.5  | organic substances  |       | 1 – < 5 wt% | 0.5 kg/h  | 50 mg/m <sup>3</sup> | 3)       |

## Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m<sup>3</sup>, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

**National inventories**

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |

## Legend

REACH Reg. REACH registered substances

## 15.2 Chemical safety assessment

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

## SECTION 16: Other information

**Indication of changes (revised safety data sheet)**

| Section | Former entry (text/value)                                                                                                                                                                                                     | Actual entry (text/value)                                                                                                                                                                                                            | Safety-relevant |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1.2     |                                                                                                                                                                                                                               | Uses advised against:<br>Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.                                                                                                 | yes             |
| 1.3     | Details of the supplier of the safety data sheet:<br>NORDWEST Handel AG<br>Robert-Schuman-Str. 17<br>44263 Dortmund<br>Germany<br><br>Telephone: +49 231 2222-3001<br>Telefax: +49 231 2222-3099<br>Website: www.nordwest.com | Details of the supplier of the safety data sheet:<br>NORDWEST Handel AG<br>Robert-Schuman-Str. 17<br>44263 Dortmund<br>Germany<br><br>Telephone: +49 231 2222-3001<br>e-mail: info@nordwest.com<br>Website: www.nordwest-tecwerk.com | yes             |
| 2.1     |                                                                                                                                                                                                                               | Classification according to Regulation (EC) No 1272/2008 (CLP):<br>change in the listing (table)                                                                                                                                     | yes             |
| 2.1     |                                                                                                                                                                                                                               | The most important adverse physicochemical, human health and environmental effects:                                                                                                                                                  | yes             |

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| Section | Former entry (text/value)                                                                                                                                                                          | Actual entry (text/value)                                                                                                                       | Safety-relevant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|         |                                                                                                                                                                                                    | Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.                 |                 |
| 2.2     | Signal word: warning                                                                                                                                                                               | Signal word: danger                                                                                                                             | yes             |
| 2.2     |                                                                                                                                                                                                    | Pictograms: change in the listing (table)                                                                                                       | yes             |
| 2.2     |                                                                                                                                                                                                    | Hazard statements: change in the listing (table)                                                                                                | yes             |
| 2.2     |                                                                                                                                                                                                    | Precautionary statements: change in the listing (table)                                                                                         | yes             |
| 2.2     |                                                                                                                                                                                                    | Child-resistant fastening: yes                                                                                                                  | yes             |
| 2.2     |                                                                                                                                                                                                    | Tactile warning of danger: yes                                                                                                                  | yes             |
| 2.2     |                                                                                                                                                                                                    | Hazardous ingredients for labelling: orthophosphoric acid                                                                                       | yes             |
| 3.2     |                                                                                                                                                                                                    | Description of the mixture: change in the listing (table)                                                                                       | yes             |
| 5.2     | Special hazards arising from the substance or mixture                                                                                                                                              | Special hazards arising from the substance or mixture: Substance or mixture corrosive to metals.                                                | yes             |
| 7.2     |                                                                                                                                                                                                    | Managing of associated risks                                                                                                                    | yes             |
| 7.2     |                                                                                                                                                                                                    | Corrosive conditions: Store in corrosive resistant container with a resistant inner liner.                                                      | yes             |
| 9.2     | Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant                                                                                    | Information with regard to physical hazard classes: there is no additional information                                                          | yes             |
| 10.1    | Reactivity: Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".                                                                                              | Reactivity: Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". Substance or mixture corrosive to metals. | yes             |
| 11.1    | Skin corrosion/irritation: Causes skin irritation.                                                                                                                                                 | Skin corrosion/irritation: Causes severe skin burns and eye damage.                                                                             | yes             |
| 11.1    | Serious eye damage/eye irritation: Causes serious eye irritation.                                                                                                                                  | Serious eye damage/eye irritation: Causes serious eye damage.                                                                                   | yes             |
| 12.5    | Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ . | Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ .                                 | yes             |
| 16      |                                                                                                                                                                                                    | List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table)                                       | yes             |

## Abbreviations and acronyms

| Abbr.        | Descriptions of used abbreviations.                                                                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2000/39/EC.  | Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC.                                                                       |
| Acute Tox.   | Acute toxicity.                                                                                                                                                                                                        |
| ADN.         | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways). |
| ADR.         | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).                                                         |
| ADR/RID/ADN. | Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).                                                                                                       |
| AGW.         | Workplace exposure limit.                                                                                                                                                                                              |
| ATE.         | Acute Toxicity Estimate.                                                                                                                                                                                               |
| CAS.         | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).                                                                                                                |
| Ceiling-C.   | Ceiling value.                                                                                                                                                                                                         |
| CLP.         | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.                                                                                                                    |
| DFG.         | Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim.                                                                       |
| DGR.         | Dangerous Goods Regulations (see IATA/DGR).                                                                                                                                                                            |
| DNEL.        | Derived No-Effect Level.                                                                                                                                                                                               |
| EC No.       | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially avail-                                                                        |

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

TECWERK

## 2000 354 680 - TECWERK KALK- UND BETONLÖSER

Version number: GHS 2.0

Revision: 2025-09-23

Replaces version of: 2025-01-21 (GHS 1)

| Abbr.       | Descriptions of used abbreviations.                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ED.         | able within the EU (European Union).                                                                                                                                     |
| ED.         | Endocrine disruptor.                                                                                                                                                     |
| EINECS.     | European Inventory of Existing Commercial Chemical Substances.                                                                                                           |
| ELINCS.     | European List of Notified Chemical Substances.                                                                                                                           |
| EmS.        | Emergency Schedule.                                                                                                                                                      |
| Eye Dam.    | Seriously damaging to the eye.                                                                                                                                           |
| Eye Irrit.  | Irritant to the eye.                                                                                                                                                     |
| GHS.        | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.                                                               |
| IATA.       | International Air Transport Association.                                                                                                                                 |
| IATA/DGR.   | Dangerous Goods Regulations (DGR) for the air transport (IATA).                                                                                                          |
| ICAO.       | International Civil Aviation Organization.                                                                                                                               |
| ICAO-TI.    | Technical instructions for the safe transport of dangerous goods by air.                                                                                                 |
| IMDG.       | International Maritime Dangerous Goods Code.                                                                                                                             |
| IMDG-Code.  | International Maritime Dangerous Goods Code.                                                                                                                             |
| Index No.   | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008.                                                |
| IOELV.      | Indicative occupational exposure limit value.                                                                                                                            |
| LgK.        | Lagerklasse (storage class according to TRGS 510, Germany).                                                                                                              |
| Met. Corr.  | Substance or mixture corrosive to metals.                                                                                                                                |
| NLP.        | No-Longer Polymer.                                                                                                                                                       |
| PBT.        | Persistent, Bioaccumulative and Toxic.                                                                                                                                   |
| Ppm.        | Parts per million.                                                                                                                                                       |
| REACH.      | Registration, Evaluation and Restriction of Chemicals.                                                                                                                   |
| RID.        | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail). |
| Skin Corr.  | Corrosive to skin.                                                                                                                                                       |
| Skin Irrit. | Irritant to skin.                                                                                                                                                        |
| STEL.       | Short-term exposure limit.                                                                                                                                               |
| SVHC.       | Substance of Very High Concern.                                                                                                                                          |
| TRGS.       | Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).                                                                                  |
| TRGS 900.   | Arbeitsplatzgrenzwerte (TRGS 900).                                                                                                                                       |
| TWA.        | Time-weighted average.                                                                                                                                                   |
| VPvB.       | Very Persistent and very Bioaccumulative.                                                                                                                                |

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

|       |                                          |
|-------|------------------------------------------|
| H290. | May be corrosive to metals.              |
| H302. | Harmful if swallowed.                    |
| H314. | Causes severe skin burns and eye damage. |
| H318. | Causes serious eye damage.               |

### Disclaimer

This SDS has been compiled and is solely intended for this product. This information is based on the present state of our knowledge and does not constitute an assurance of product properties nor establishes contract legal rights. All data about health and safety are only for information. They should therefore not be construed as specifications.