

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

### 1.1 Product identifier

**Trade name:** RA-4 BX-LR SP54 Bleach Fix Replenisher

**Article number:** 102063

**Index number:**

None of the ingredients is listed.

**UFI:** XQN1-V0AK-C00W-12WU

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

No further relevant information available.

**Application of the substance / the mixture** Bleachfix preparation for photographic use

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

**Manufacturer/Supplier:**

TETENAL 1847 GmbH

Schützenwall 31-35

D-22844 Norderstedt /Germany

Tel.: +49 (0) 40 521 45-0; Fax: +49 (0)40-52145-296

www.tetenal.com; E-mail: info@tetenal.com

**Further information obtainable from:** Department product safety. E-Mail: sida@tetenal.com

### 1.4 Emergency telephone number:

Poison Information Centre Germany: +49 (0) 30 - 30686 700 (English and German 24 hours)

Tetenal Tel.:+49(0) 40 521 45-0 (open: 8am till 4pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

The product is not classified, according to the CLP regulation.

### 2.2 Label elements

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

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Additional information:**

Safety data sheet available on request.

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

**Description:** Mixture of substances listed below and with nonhazardous additions.

**Dangerous components:**

|                            |  |      |
|----------------------------|--|------|
| CAS: 10192-30-0            | Ammonium hydrogensulphite (Ammonium bisulphite)                | 1-5% |
| EINECS: 233-469-7          | ☠ Eye Irrit. 2, H319   |      |
| Reg.nr.: 01-2119537321-49  |  |      |
| CAS: 7664-38-2             | phosphoric acid  | 1-5% |
| EINECS: 231-633-2          | ☠ Met. Corr.1, H290; Skin Corr. 1B, H314; ☠ Acute Tox. 4, H302 |      |
| Index number: 015-011-00-6 |  |      |
| Reg.nr.: 01-2119485924-24  |  |      |

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## according to 1907/2006/EC, Article 31

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

### SECTION 4: First aid measures

#### . 4.1 Description of first aid measures

. **General information:** Immediately remove any clothing/shoes soiled by the product.

. **After inhalation:** Supply fresh air.

. **After skin contact:** Immediately rinse with water.

. **After eye contact:** Rinse opened eye for several (15 min) under running water.

. **After swallowing:** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### . 5.1 Extinguishing media

##### . Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

No further relevant information available.

#### . 5.3 Advice for firefighters

. **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation

#### . 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

#### . 6.4 Reference to other sections

No dangerous substances are released.

### SECTION 7: Handling and storage

#### . 7.1 Precautions for safe handling

No special measures required.

#### . Information about fire - and explosion protection:

Protect from heat.

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

##### . Storage:

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

. **Information about storage in one common storage facility:** Store away from foodstuffs.

##### . Further information about storage conditions:

Protect from heat and direct sunlight.

Store under lock and key and out of the reach of children.

Recommended storage temperature: 5-30°C

#### . 7.3 Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### . 8.1 Control parameters

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

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

**7664-38-2 phosphoric acid (1-5%)**

WEL (Great Britain) Short-term value: 2 mg/m<sup>3</sup>

Long-term value: 1 mg/m<sup>3</sup>

IOELV (EU) Short-term value: 2 mg/m<sup>3</sup>

Long-term value: 1 mg/m<sup>3</sup>

PEL (USA) Long-term value: 1 mg/m<sup>3</sup>

REL (USA) Short-term value: 3 mg/m<sup>3</sup>

Long-term value: 1 mg/m<sup>3</sup>

TLV (USA) Short-term value: 3 mg/m<sup>3</sup>

Long-term value: 1 mg/m<sup>3</sup>

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

**Respiratory protection:** Ensure adequate ventilation

**Protection of hands:**

Impervious gloves

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

Selection of the glove material 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Neoprene gloves

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

**Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

|                |           |
|----------------|-----------|
| <b>Form:</b>   | Fluid     |
| <b>Colour:</b> | red brown |
| <b>Odour:</b>  | Odourless |

**pH-value at 20 °C:** ~6

**Change in condition**

**Melting point/freezing point:** <0 °C

**Initial boiling point and boiling range:** >100 °C

**Flash point:** Not applicable.

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Vapour pressure:** Not determined.

**Density at 20 °C:** 1.18-1.2 g/cm<sup>3</sup>

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|  |  |
|--|--|
| <b>. Solubility in / Miscibility with water:</b> | Fully miscible.                            |
| <b>. Viscosity:</b>                              |  |
| <b>Dynamic:</b>                                  | Not determined.                            |
| <b>Kinematic:</b>                                | Not determined.                            |
| <b>. Solvent content:</b>                        |  |
| <b>Water:</b>                                    | 50-90 %                                    |
| <b>VOC (EC)</b>                                  | 0.00 %                                     |
| <b>Solids content:</b>                           | 0.0 %                                      |
| <b>. 9.2 Other information</b>                   | No further relevant information available. |

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- . **10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Irritant gases/vapours

### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity** Based on available data, the classification criteria are not met.
- . **Primary irritant effect:**
- . **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- . **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- . **Additional toxicological information:**
- . **Acute effects (acute toxicity, irritation and corrosivity)**  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- . **Germ cell 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.
- . **STOT-single exposure** Based on available data, the classification criteria are not met.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation** Smaller quantities can be disposed of with household waste.
- . **European waste catalogue**
- 09 00 00 WASTES FROM THE PHOTOGRAPHIC INDUSTRY
- 09 01 00 wastes from the photographic industry
- 09 01 05\* bleach solutions and bleach fixer solutions
- . **Uncleaned packaging:**
- . **Recommendation:** Disposal must be made according to official regulations.
- . **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| . <b>14.1 UN-Number</b>  | Void            |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>14.2 UN proper shipping name</b>  | Void            |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>14.3 Transport hazard class(es)</b>   | Void            |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>Class</b>   | Void            |
| . <b>14.4 Packing group</b>  | Void            |
| . <b>ADR, IMDG, IATA</b>   | Void            |
| . <b>14.5 Environmental hazards:</b>   |                 |
| . <b>Marine pollutant:</b>   | No              |
| . <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| . <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| . <b>UN "Model Regulation":</b>  | Void            |
- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
  - . **Directive 2012/18/EU**
  - . **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 65
  - . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . **Relevant phrases**
- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.

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**Contact:** E: sida@tetenal.com**Abbreviations and acronyms:**

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

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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

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