

## NEUTRAL CLEANER pH 5,5 – Pickling solution for electrochemical systems at neutral pH

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In conformity to Regulation (EU) 2015/830

### SECTION1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product code : NEUTRAL CLEANER pH 5,5 - Pickling solution for electrochemical systems at neutral pH  
Trades code : 109.1

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

Surface treatment of metals

Sectors of use:

Industrial Manufacturing (all)[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

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

Reuter GmbH & Co. KG, Schimmelbuschstr. 9e, D-40699 Erkrath

Telefon: +49 211 730 60 430 / Telefax: +49 211 730 60 477

Email: [mail@oreuter.de](mailto:mail@oreuter.de)

#### 1.4. Emergency telephone number

+49 171 54 50 200

### SECTION2. Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictograms:

None

Hazard Class and Category Code(s):

Nonhazardous

Hazard statement Code(s):

Nonhazardous

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

Nonhazardous

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

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None in particular.

### 2.3. Other hazards

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

For professional use only

This document is outside the scope of Article 31 of REACH

## SECTION3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

No substance to signal.

## SECTION4. First aid measures

### 4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product).:

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product).:

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

No data available.

## SECTION5. Firefighting measures

### 5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

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

No data available.

### 5.3. Advice for firefighters

Use protection for the breathing apparatus  
Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

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## SECTION6. Accidental release measures

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

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

### 6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

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

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

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## SECTION7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

At work do not eat or drink.

See also paragraph 8 below.

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

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

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### 7.3. Specific end use(s)

Industrial Manufacturing (all):  
Handle with care with suitable protective devices

Public domain (administration, education, entertainment, services, craftsmen):  
Handle with care with suitable protective devices

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

No data available.

### 8.2. Exposure controls

Appropriate engineering controls:  
Industrial Manufacturing (all):  
No one expected

Public domain (administration, education, entertainment, services, craftsmen):  
No one expected

Individual protection measures:

(a) Eye / face protection  
Not needed for normal use.

(b) Skin protection

(i) Hand protection  
Not needed for normal use.

(ii) Other  
Wear normal work clothing.

(c) Respiratory protection  
Not needed for normal use.

(d) Thermal hazards  
No hazard to report

Environmental exposure controls:  
Use according to good working practices to avoid pollution into the environment.

## SECTION 9. Physical and chemical properties

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

| Physical and chemical properties | Value          | Determination method |
|----------------------------------|----------------|----------------------|
| Appearance                       | Liquid, ORANGE |                      |
| Odour                            | odorless       |                      |
| Odour threshold                  | not determined |                      |

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| Physical and chemical properties             | Value          | Determination method |
|--|----------------|----------------------|
| pH   | 5.5            |                      |
| Melting point/freezing point                 | not determined |                      |
| Initial boiling point and boiling range      | not determined |                      |
| Flash point                                  | not determined | ASTM D92             |
| Evaporation rate                             | irrelevant     |                      |
| Flammability (solid, gas)                    | not determined |                      |
| Upper/lower flammability or explosive limits | not determined |                      |
| Vapour pressure                              | not determined |                      |
| Vapour density                               | not determined |                      |
| Relative density                             | 1.100          |                      |
| Solubility                                   | in water       |                      |
| Water solubility                             | in water       |                      |
| Partition coefficient: n-octanol/water       | not determined |                      |
| Auto-ignition temperature                    | not determined |                      |
| Decomposition temperature                    | not determined |                      |
| Viscosity                                    | not determined |                      |
| Explosive properties                         | not determined |                      |
| Oxidising properties                         | not determined |                      |

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Nothing to report

### 10.5. Incompatible materials

Avoid contact with strongly alkaline products.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

### SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

ATE(mix) oral = ∞  
ATE(mix) dermal = ∞  
ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

### SECTION 12. Ecological information

#### 12.1. Toxicity

Use according to good working practices to avoid pollution into the environment.

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

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

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

#### 12.6. Other adverse effects

No adverse effects

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

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Recover if possible. Operate according to local or national regulations

### SECTION14. Transport information

#### 14.1. UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

#### 14.2. UN proper shipping name

None

#### 14.3. Transport hazard class(es)

None

#### 14.4. Packing group

None

#### 14.5. Environmental hazards

None

#### 14.6. Special precautions for user

No data available.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

### SECTION15. Regulatory information

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

No data available.

#### 15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

### SECTION16. Other information

#### 16.1. Other information

Classification based on data of all mixture components