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

1.1. **Product identifier**
   neodisher N

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

Use of the substance/preparation
Washing and cleaning products (including solvent based products)

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

   **Address:**
   Chemische Fabrik Dr. Weigert GmbH & Co. KG  
   Mühlenhagen 85  
   D-20539 Hamburg  
   Telephone no. +49 40 789 60 0  
   Fax no. +49 40 789 60 120  
   www.drweigert.com

   **E-mail address of person responsible for this SDS:**  
   sida@drweigert.de

1.4. **Emergency telephone number**

   GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

### SECTION 2: Hazards identification

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

   **Classification (Regulation (EC) No. 1272/2008)**
   - Skin Corr. 1B  
   - Eye Dam. 1  
   - Met. Corr. 1

   **Classification in accordance with EC directives 1999/45/EC and 67/548/EEC**
   - Classification C, R34

2.2. **Label elements**

   **Labelling according to regulation (EC) No 1272/2008**

   **Hazard pictograms**

   ![Hazard Pictogram]

   **Signal word**
   Danger

   **Hazard statements**
   - H290 May be corrosive to metals.
   - H314 Causes severe skin burns and eye damage.

   **Precautionary statements**
   - P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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 or doctor. Dispose only when container is empty and closed. For disposal of product residues, refer to Material Safety Data Sheet.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)
contains phosphoric acid

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC
The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

R phrases
34 Causes burns.

S phrases
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of . . . (to be specified by the manufacturer).
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous component(s) to be indicated on label
contains phosphoric acid

2.3. Other hazards
No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients
phosphoric acid
CAS No. 7664-38-2
EINECS no. 231-633-2
Registration no. 01-2119485924-24-0021
Concentration >= 50 %
Classification C, R34

Classification (Regulation (EC) No. 1272/2008)
Skin Corr. 1B H314

Concentration limits (Regulation (EC) No. 1272/2008)
Skin Irrit. 2 H315 <= 10 < 25
Skin Corr. 1B H314 >= 25
Eye Irrit. 2 H319 <= 10 < 25

Citric acid, anhydrous
CAS No. 77-92-9
SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Remove contaminated, soaked clothing immediately and dispose of safely. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation
Ensure supply of fresh air. When spray fog inhaled, seek medical aid.

After skin contact
After contact with skin, wash immediately with plenty of water. Take medical treatment.

After eye contact
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

After ingestion
If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid
First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed
Until now no symptoms known so far.

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

Hints for the physician / hazards
In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguishing measures to suit surroundings

Non Suitable extinguishing media
Full water jet

5.2. Special hazards arising from the substance or mixture
In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting
Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information
Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up
Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections
Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

Advice on protection against fire and explosion
The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to TRGS 510
Storage class according to 8B Non-combustible corrosive hazardous substances TRGS 510

7.3. Specific end use(s)
no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Other information
There are not known any further control parameters.

8.2. Exposure controls
General protective and hygiene measures
Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection
If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection
Chemical resistant gloves
Appropriate Material neoprene
Appropriate Material Butyl rubber
neodisher N

Appropriate Material: nitrile

Eye protection
Safety glasses with side protection shield

Body protection
Clothing as usual in the chemical industry. Protective shoes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: liquid
Colour: colourless
Odour: characteristic
Odour threshold: not determined
pH value
Value: appr. 0.7
Melting point
Value: not determined
Freezing point
Value: not determined
Initial boiling point and boiling range
Value: not determined
Flash point
Value: Not applicable
Evaporation rate (ether = 1):
Value: not determined
Flammability (solid, gas)
Value: not determined
Upper/lower flammability or explosive limits
Value: not determined
Vapour pressure
Value: not determined
Vapour density
Value: not determined
Density
Value: 1.47 g/cm³
Solubility in water
Value: not determined
Solubility(ies)
Value: not determined
Partition coefficient: n-octanol/water
Value: not determined
Ignition temperature
Value: not determined
Decomposition temperature
Value: not determined
neodisher N

Version: 1 / GB  Replaces Version: - / GB  Date revised: 06.11.2014  Print date: 14.11.14

Viscosity
Remarks  not determined

Explosive properties
evaluation  not determined

Oxidising properties
Remarks  not determined

9.2. Other information
Other information
None known

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability
No hazardous reactions known.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
No hazardous reactions known.

10.5. Incompatible materials
Reactions with metals, with evolution of hydrogen. Reactions with alkalies.

10.6. Hazardous decomposition products
Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity
Remarks  not determined

Acute oral toxicity (Components)
phosphoric acid
Species  rat
LD50  2600  mg/kg

Acute dermal toxicity
Remarks  not determined

Acute dermal toxicity (Components)
phosphoric acid
Species  rabbit
LD50  2740  mg/kg

Acute inhalational toxicity
Remarks  not determined

Skin corrosion/irritation
Remarks  not determined
neodisher N

**SECTION 12: Ecological information**

### 12.1. Toxicity

**General information**
not determined

**Fish toxicity (Components)**

**phosphoric acid**

- **Species**: mosquito fish
- **LC50**: 138 mg/l
- **Duration of exposure**: 96 h

**Daphnia toxicity (Components)**

**phosphoric acid**

- **Species**: Daphnia magna
- **EC50**: > 100 mg/l
- **Duration of exposure**: 48 h
- **Method**: OECD 202

### 12.2. Persistence and degradability

**General information**
not determined

### 12.3. Bioaccumulative potential

**General information**
not determined

**Partition coefficient: n-octanol/water**

**Remarks**
not determined

### 12.4. Mobility in soil

**General information**
not determined
12.5. Results of PBT and vPvB assessment

General information
not determined

12.6. Other adverse effects

General information
not determined

General information / ecology
Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product
Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging
Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

Land transport ADR/RID
14.1. UN number
UN 1805

14.2. UN proper shipping name
PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)
Class 8

14.4. Packing group
Packing group III
Limited Quantity 5 l
Transport category 3
Tunnel restriction code E

Marine transport IMDG/GGVSee
14.1. UN number
UN 1805

14.2. UN proper shipping name
PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)
Class 8

14.4. Packing group
Packing group III

14.5. Environmental hazards
no
IMDG-Code segregation group 1 Acids

Air transport ICAO/IATA
14.1. UN number
UN 1805

14.2. UN proper shipping name
neodisher N

PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)
   Class 8

14.4. Packing group
   Packing group III

Information for all modes of transport

14.6. Special precautions for user
   See Sections 6 to 8

Other information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
   Not applicable

SECTION 15: Regulatory information

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

   Ingredients (Regulation (EC) No 648/2004)
   30 % and more:
      phosphates

   Water Hazard Class (Germany)
      Water Hazard Class: WGK 1
      (Germany)
      Remarks: Classification according to Annex 4 VwVwS

   VOC
      VOC (EU) 0 %

   Other information
      The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment
   For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

R-phrases listed in Chapter 3
   34 Causes burns.
   36 Irritating to eyes.

Hazard statements listed in Chapter 3
   H314 Causes severe skin burns and eye damage.
   H319 Causes serious eye irritation.

CLP categories listed in Chapter 3
   Eye Irrit. 2 Eye irritation, Category 2
   Skin Corr. 1B Skin corrosion, Category 1B

Supplemental information
   Relevant changes compared with the previous version of the safety data sheet are marked with: ***
   This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.