



# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP acid

Print date: 30.01.2013

Revision date: 28.01.2013

Page 2 of 7

### 3.2. Mixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
REACH No		
231-633-2	phosphoric acid	>30 %
7664-38-2	C - Corrosive R34	

Full text of each relevant R phrase can be found in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

not applicable

#### After contact with skin

After contact with skin, wash immediately with: Water.

#### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical attention if problems persist.

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

Causes burns.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water fog. Water. Foam.

#### Extinguishing media which must not be used for safety reasons

none / none

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

none / none

### 5.3. Advice for firefighters

none / none

## SECTION 6: Accidental release measures

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

Wear personal protection equipment. See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## SECTION 7: Handling and storage

# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP acid

Print date: 30.01.2013

Revision date: 28.01.2013

Page 3 of 7

### 7.1. Precautions for safe handling

#### Advice on safe handling

All working processes must always be organised so that the following can be ruled out: skin contact.  
Eye contact.

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

#### Requirements for storage rooms and vessels

No special technical protective measures are necessary.

Storageclass (D): 8B

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

#### Respiratory protection

If product is splashed or sprayed in high concentrations or in case of insufficient ventilation adequate masks and filters suitable for dusts / aerosols (P2-DIN EN 143) are recommended.

#### Hand protection

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. In case of reutilization, clean gloves before taking off and store in well-aired place.

Duration of wearing with occasional contact (splashes): Duration of wearing with permanent contact:  
Suitable material:

Butyl rubber.FKM (Fluoroelastomer (Viton)). NBR (Nitrile rubber). CR (polychloroprenes, Chloroprene rubber). NR (Natural rubber (Caoutchouc), Natural latex). PVC (Polyvinyl chloride).

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

#### Eye protection

Only in case of possible exposition (e.g.dust formation) obligate. Framed glasses. Tightly sealed safety glasses. EN 166

#### Skin protection

Take off immediately all contaminated clothing.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
Colour: colourless  
Odour: characteristic

# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP acid

Print date: 30.01.2013

Revision date: 28.01.2013

Page 4 of 7

### Test method

pH-Value (at 20 °C): ca. 0,7

### Changes in the physical state

Melting point: No data available  
Boiling point: No data available  
Flash point: not applicable  
Ignition temperature: not applicable

### Oxidizing properties

none / none

Density: No data available

Water solubility: easily soluble.

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No risks worthy of mention.

### 10.2. Chemical stability

No risks worthy of mention.

### 10.3. Possibility of hazardous reactions

No risks worthy of mention.

### 10.4. Conditions to avoid

No special measures are necessary.

### 10.5. Incompatible materials

Reacts with : Alkalis (alkalis), concentrated.

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Acute toxicity, oral LD50: calculated. mg/kg bw: > 2500

#### Irritation and corrosivity

corrosive.

#### Further information

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name	Method	Dose	Species	h
7664-38-2	phosphoric acid				
	Acute fish toxicity	LC50	138 mg/l	Gambusia affinis	96

# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP acid

Print date: 30.01.2013

Revision date: 28.01.2013

Page 5 of 7

### 12.2. Persistence and degradability

not applicable Product is inorganic.

### 12.6. Other adverse effects

Product is acid. The product needs to apply neutralizing agents before draining to wastewater treatment plants.

### **Further information**

The evaluation was carried out according to the calculation method of the Preparations Directive.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

#### **Waste disposal number of waste from residues/unused products**

200114 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); acids  
Classified as hazardous waste.

#### **Waste disposal number of contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### **Contaminated packaging**

Completely emptied packings can be re-cycled.  
Waste disposal according to official state regulations.

## SECTION 14: Transport information

### **Land transport (ADR/RID)**

**14.1. UN number:** UN1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C1  
Limited quantity: 5 L  
Transport category: 3  
Hazard No: 80  
Tunnel restriction code: E

#### **Other applicable information (land transport)**

E1

### **Marine transport (IMDG)**

**14.1. UN number:** UN1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION

# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP acid

Print date: 30.01.2013

Revision date: 28.01.2013

Page 6 of 7

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** III

Hazard label: 8



Marine pollutant: no

Special Provisions: 223

Limited quantity: 5 L

EmS: F-A, S-B

### Other applicable information (marine transport)

E1

### Air transport (ICAO)

**UN/ID number:** 1805

**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** III

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 819

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 821

IATA-max. quantity - Cargo: 60 L

### Other applicable information (air transport)

E1

## SECTION 15: Regulatory information

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

#### EU regulatory information

##### Additional information

Labelling for contents according to regulation (EC) No 648/2004, annex 7:  
not applicable

##### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

## SECTION 16: Other information

### Full text of R phrases referred to under Sections 2 and 3

34 Causes burns.

### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## neodisher TP acid

Print date: 30.01.2013

Revision date: 28.01.2013

Page 7 of 7

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