

## Safety Data sheet

According to Directive 1907/2006

### 3068 orto-PHOSPHORIC ACID 85% w/w gmp

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Creation Date: 20/12/2016 Revision date: 31/05/2017

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## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Catalogue No: 3068 Product name: orto-PHOSPHORIC ACID 85% w/w gmp Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119485924-24-0000

### Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

### Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología \*Madrid\* Tel:915620420 Chemtrec: 800-424-9300

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## 2. Hazards identification

Labelling in accordance with directive 1907/2006



### R-phrases

34 Causes burns.

### S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)

Labelling in accordance with directive 1272/2008



### H-phrases

290 May be corrosive to metals.

314 Causes severe skin burns and eye damage.

### P-phrases

280 Wear protective gloves/protective clothing/eye protection/face protection.

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
305+351 If in eyes: Rinse cautiously with water for several minutes.  
338 Remove contact lenses, if present and easy to do. Continue rinsing.

Signal word : DANGER

CORROSIVE

R-phrases:

Causes burns.

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### 3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 7664-38-2

Molecular Weight: 98,00

Chemical formula:  $H_3PO_4$

EC-Index-No.: 015-011-00-6

EC-No.: 231-633-2

R-phrases 34

For more information about the R-Phrases text you can consult the paragraph 16

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### 4. First aid measures

**After inhalation:**

Fresh air

Call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

Extract the substance by means of cotton impregnated with polietilenglicol 400

Call the physician

**After eye contact:**

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the ophthalmologist

**After swallowing:**

Drink lots of water

Avoid vomiting (perforation risk)

Call the doctor

Do not carry out neutralization measures

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

Fireproof

In contact with metals, gaseous hydrogen could form (explosion risk)

In case of fire, possible formation of toxic vapors

**Special protective equipment for fire fighting:**

Remain in the risk area only if provided with independent artificial respiratory systems.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Wear suitable protective clothing

**Other information:**

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

Precipitate emergent steam with water

## 6. Accidental release measures

**Person-related precautionary measures:**

Not to inhale steam/aerosols  
Ventilation in closed spaces  
Avoid contact with the substance

**Procedures for cleaning/absorption:**

To gather with absorbents  
To come to the elimination of the remainders  
Rinse.

**Environmental protection measures:**

Do not allow to enter sewerage system

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## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed  
In well-ventilated place  
Storage temperature: without limits  
Do not use metallic containers

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 1 mg/m<sup>3</sup>. TLV-STEL: 2 mg/m<sup>3</sup>.

**Personal protective equipment:**

**Respiratory protection:**

Necessary when steam/aerosols are generated

**Hand protection:**

Needed

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes  
Wash hands and face when the work is finished  
Recommendable preventive protection of the skin  
Fulfill the commitments under local environmental protection legislation

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## 9. Physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour: Odourless

pH value: < 0,5 (100 g/l H<sub>2</sub>O)

Melting point: 21°C

Boiling point: 158°C

Vapour pressure: 2,2 hPa

Density (g/cm<sup>3</sup>): 1,700

Solubility: Soluble (water)

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## 10. Stability and reactivity

**Substances to be avoided:**

Alkaline metals.  
Metal oxides.  
Metals.

**Hazardous decomposition products:**

Phosphorus oxides.

**Further information:**

To avoid heating.  
Hygroscopic.

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## 11. Toxicological information

**Acute toxicity:**

LC50 (inhalation, rat): > 0,21 mg/l/4h. LD50 (oral, rat): 1530 mg/kg.

**After eye contact:**

Burns  
Conjunctivitis

**After skin contact:**

Burns

**After inhalation:**

Irritation of: respiratory tract

**After swallowing:**

Burns in the digestive tract  
Risk of perforation in stomach  
Risk of perforation in the oesophagus

**Further toxicological information:**

Take the usual precautions for handling chemical products  
Other dangerous characteristics are not discarded

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## 12. Ecological information

Fishes: EC50: 100 mg/l

Bioaccumulation: Non-bioaccumulable product

**Other harmful effects:**

Harmful effect due to pH shift  
Acute ecotoxicity in the dumping area  
Does not cause biological oxygen deficit  
May contribute to the eutrophication of water supplies  
Do not allow to enter waters, waste water, or soil

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## 13. Disposal considerations

**Product:**

Dispose as regulated in the community countries by local regulations.  
Please contact with the suitable authority in each case (Public Administration or company specialized in

**Packaging:**

Product packaging disposal must be disposed of in compliance with the respective local regulations. For contaminated packaging the same measures must be adopted as for the contaminated product. Not contaminated packaging must be disposed of as domestic residues or recycled material. European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

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**14. Transport information**

**Overland transport ADR/RID**

UN: 1805  
Class: 8  
Packaging group: III  
Correct technical name: PHOSPHORIC ACID, SOLUTION

**Sea transport IMDG**

UN: 1805  
Class: 8/III  
Packaging group: III  
Correct technical name: PHOSPHORIC ACID, SOLUTION

**Air transport ICAO-IATA-DGR**

UN: 1805  
Class: 8  
Packaging group: III  
Correct technical name: PHOSPHORIC ACID, SOLUTION  
CAO: 856  
PAX: 852

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**15. Regulatory information**

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**16. Other information**

Full text of R phrases mentioned in sections 2 and 3

34 Causes burns.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.