

## Safety Data sheet

According to Directive 1907/2006

### 0112 BENZOIC ACID

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Creation Date: 26/11/2014 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: 0112 Product name: BENZOIC ACID Use of the substance: Analysis and chemical-pharmaceutical production REACH registration Nr.: 01-2119455536-33-0000

### 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

41 Risk of serious damage to eyes.  
38 Irritating to skin.  
48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

#### S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
39 Wear eye/face protection.  
45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)  
63 In case of accident by inhalation

Labelling in accordance with directive 1272/2008

**H-phrases**

315 Causes skin irritation.  
318 Causes serious eye damage.  
372 Causes damage to organs through prolonged or repeated exposure.

**P-phrases**

260 Do not breathe dust/fume/gas/mist/vapours/spray.  
264 Wash  
270 Do not eat, drink or smoke when using this product.  
280 Wear protective gloves/protective clothing/eye protection/face protection.  
302+352 IF ON SKIN: Wash with plenty of soap and water.  
305+351 If in eyes: Rinse cautiously with water for several minutes.  
362 Take off contaminated clothing and wash before reuse.  
310 Immediately call a POISON CENTER or doctor/physician.

Signal word : DANGER

TOXIC; IRRITANT

R-phrases:

Risk of serious damage to eyes.

Irritating to skin.

Toxic: danger of serious damage to health by prolonged exposure through inhalation.

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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.: 65-85-0

Molecular Weight: 122,12

Chemical formula:  $C_6H_5COOH$

EC-No.: 200-618-2

R-phrases 41; 38; 48/23

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

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

**After eye contact:**

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

Call the ophthalmologist

**After swallowing:**

Drink lots of water

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Water  
Dust  
Foam  
Carbon dioxide

**Special risks:**

Combustible  
Ambient fire may liberate hazardous vapours

**Special protective equipment for fire fighting:**

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

**Other information:**

Cool the containers spraying water  
Precipitate emergent steam with water  
Avoid the penetration of the extinction water in superficial or subterraneous aquifers.

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## 6. Accidental release measures

**Person-related precautionary measures:**

Avoid contact with the substance  
Do not inhale dust  
Ventilation in closed spaces

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.  
Rinse.

To avoid the inert dust formation

**Environmental protection measures:**

Do not send it to the sewerage system

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## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed  
Dry place.

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## 8. Exposure controls/personal protection

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Protection gloves:  
Nitrile rubber

**Eye protection:**

Needed

**Other protective equipment:**

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

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## 9. Physical and chemical properties

Physical state: Solid  
Colour: White  
Odour: Characteristic  
pH value: 3,1 (1 g/l H<sub>2</sub>O)  
Melting point: 122°C  
Boiling point: 249°C  
Ignition temperature: 532°C  
Flash point: 121°C  
Vapour pressure: 1,3 hPa  
Solubility: 2,9 g/l (water)  
log P(ow): 1,88

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## 10. Stability and reactivity

**Substances to be avoided:**

Fluorine.  
Oxygen.  
Oxidizing agents.  
Bases.

**Hazardous decomposition products:**

Not available.

**Further information:**

Possible powder explosion.  
Sublimable.

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## 11. Toxicological information

**Acute toxicity:**

LD<sub>50</sub> (oral, rat): 1700 mg/kg. LDLo (oral, human): 500 mg/kg.

**After eye contact:**

Irritation

**After skin contact:**

Slight irritation symptoms

**After inhalation:**

Irritation of: respiratory tract

**After long contact:**

Stomach disorder  
Intestinal disorder

**After swallowing:**

Irritations

**Further toxicological information:**

Other dangerous characteristics are not discarded  
The precautions adapted for chemical agents must be observed

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## 12. Ecological information

Fishes: *L. macrochirus*: LC<sub>50</sub>: 44,6 mg/l/96h

Daphnia: *Daphnia magna*: EC<sub>50</sub>: 102 mg/l/24h

Algae: IC<sub>50</sub>: 10-100 mg/l/72h

Bacteria: *Photobacterium phosphoreum*: EC<sub>50</sub>: 17 mg/l/30min

Log P(ow): 1,88

Degradability: Readily biodegradable

BOD5 1,65 g/g

COD 1,95 g/g

TOD 1,96 g/g

Bioaccumulation: No important bioaccumulation potential is to be expected (log Pow 1-3)

**Other harmful effects:**

Harmful effect on aquatic organisms

Harmful effect due to pH shift

No ecological problems are to be expected when the product is handled and used with due care and attention

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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

Sea transport IMDG

Air transport ICAO-IATA-DGR

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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

41 Risk of serious damage to eyes.

38 Irritating to skin.

48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

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.