

## Safety Data sheet

According to Directive 1907/2006

### 3527 COPPER (II) OXIDE GMP

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Creation Date: 04/03/2014 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: 3527 Product name: COPPER (II) OXIDE GMP Use of the substance: Analysis and chemical-pharmaceutical production

### 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

50 Very toxic to aquatic organisms.

#### S-phrases

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Labelling in accordance with directive 1272/2008



#### H-phrases

400 Very toxic to aquatic life.

412 Harmful to aquatic life with long lasting effects.

#### P-phrases

273 Avoid release to the environment.

391 Collect spillage.  
501 Dispose of contents/container to the regulations.

Signal word : WARNING  
DANGEROUS FOR ENVIRONMENT  
R-phrases:  
Very toxic to aquatic organisms.

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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.: 1317-38-0

Molecular Weight: 79,55

Chemical formula: CuO

EC-No.: 215-269-1

R-phrases 50

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)

**After swallowing:**

Drink lots of water

To cause vomit

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

Fireproof

**Other information:**

Avoid penetration in superficial or subterranean aquifers

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### 6. Accidental release measures

**Person-related precautionary measures:**

Avoid contact with the substance

Avoid dust formation

Do not inhale dust

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

**Environmental protection measures:**

Do not send it to the sewerage system

## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed

Dry place.

Storage temperature: without limits

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## 8. Exposure controls/personal protection

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Needed

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes

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: Black

Odour: Odourless

pH value: 7 (50 g/l H<sub>2</sub>O 20 °C)

Melting point: 1326°

Solubility: Insoluble in water. Soluble in diluted acids.

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## 10. Stability and reactivity

**Substances to be avoided:**

Aluminium.

Anhydrides.

Boron.

Hydride.

Sulphydic acid

Silicon compounds

Hydroxylamine.

Hydrazine.

Alkaline metals.

Alkaline-earth metals.

**Further information:**

Hygroscopic.

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## 11. Toxicological information

**After swallowing:**

Abdominal pain  
Vomiting  
Diarrhoea  
Effect in the CNS

**Further toxicological information:**

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

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**12. Ecological information**

Fishes: *C. auratus* EC50: 0.55 mg/l  
Algae: EC50: 1 mg/l  
Bacteria: EC50: 1 mg/l

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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: 3077  
Class: 9  
Packaging group: III  
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Sea transport IMDG**

UN: 3077  
Class: 9/III  
Packaging group: III  
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Air transport ICAO-IATA-DGR**

UN: 3077  
Class: 9  
Packaging group: III  
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
CAO: 956  
PAX: 956

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**15. Regulatory information**

## 16. Other information

Full text of R phrases mentioned in sections 2 and 3

50 Very toxic to aquatic organisms.

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.