

## Safety Data sheet

According to Directive 1907/2006

### 0170 ALUMINIUM OXIDE

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Creation Date: 01/12/2010 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: 0170 Product name: ALUMINIUM OXIDE Use of the substance: Analysis and chemical-pharmaceutical production.  
REACH registration Nr.: 01-2119529248-35-0000

### 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

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE  
Product not dangerous according to Regulation (EC) 1272/2008

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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.: 1344-28-1

Molecular Weight: 101,96

Chemical formula:  $Al_2O_3$

EC-No.: 215-691-6

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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

Call the doctor

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## 5. Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

Fireproof

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## 6. Accidental release measures

**Person-related precautionary measures:**

Do not inhale dust

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

To avoid the inert dust formation

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## 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

Exposure limit control

TLV-TWA: 10 mg/m<sup>3</sup>

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Needed

Protection gloves:

Nitrile rubber

**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: White

Odour: Odourless

Melting point: 2050°C

Boiling point: 2980°C

Vapour pressure: 0,1 kPa

Solubility: 0,001 g/l (water)

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## 10. Stability and reactivity

**Substances to be avoided:**

Halogen oxides.

Fluorine.

Halogen-halogen compounds.

Nitrates.

Ethylene oxide.

Hydrogen halogenides.

**Hazardous decomposition products:**

Not available.

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## 11. Toxicological information

**Acute toxicity:**

LD50 (oral, rat): >5000 mg/kg

**After eye contact:**

Redness

**After inhalation:**

Irritations of the mucous membranes

Irritation of: respiratory tract

Coughing

**Further toxicological information:**

No toxic effects are to be expected when the product is handled appropriately

Take the usual precautions for handling chemical products

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## 12. Ecological information

No information available

**Other harmful effects:**

Product insoluble in water

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

**Quality Chemicals, S.L.**

Inscrita en el Registro Mercantil de Barcelona,  
tomo 30166, folio 195, Sección General, hoja 169845.  
Identificación fiscal ES B61403242

Fornal, 35 - Pol. Ind. Can Comelles Sud  
Apdo. de Correos, 184  
ES08292 Esparreguera (Barcelona)  
Tel. (34) 93 770 97 30 - Fax (34) 93 770 93 37  
customer-service@qualitychemicals.com - www.qualitychemicals.com

**Product:**

Dispose as regulated in the communitary 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**

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.