



Safety Data Sheet According to Regulation (EU) 830/2015

1335 Silica Gel 3-6 mm *with indicator (with cobalt chloride)

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Silica Gel 3-6 mm *with indicator (with cobalt chloride)

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Carc. 1B

Acute Tox. 4

Aquatic Chronic 3

2.2 Label elements:

Hazard Pictograms



Signal word

Hazard statements

H350i May cause cancer by inhalation.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: Silica Gel 3-6 mm *with indicator (with cobalt chloride)

CAS [112926-00-8]

EC number (EINECS): 231-545-4

3.2 Mixtures

0001: Non-indicating Silica gel 1-3 mm (bags)

CAS [112926-00-8]

EC number (EINECS): 231-545-4

Content: ≥ 94 %

0002: Cobalt(II) Chloride anhydrous

Formula: CoCl_2 M.= 129,84 CAS [7646-79-9]

EC number (EINECS): 231-589-4

EC index number: 027-004-00-5

Content: $\geq 0,5 \%$ $\leq 1 \%$

Carc. 1B

Repr. 1B

Acute Tox. 4

Resp. Sens 1

Skin Sens. 1

Muta. 2

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H350i May cause cancer by inhalation.

H360F May damage fertility.

H302 Harmful if swallowed.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H410 Very toxic to aquatic life with long lasting effects.

4. First aid measures

4.1 Description of first aid measures

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Swallowing:

Drink large amounts of water. Induce vomiting. Call for medical help.

Inhaling:

Take the person out into the fresh air.

Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. In the event of irritation, seek medical assistance.

5. Firefighting measures**5.1 Extinguishing media:**

As appropriate to the environment.

5.2 Special hazards arising from the substance or mixture:

Incombustible.

5.3 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

No special indications.

6.2 Environmental precautions:

Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

Collect up dry. Clean any remains with plenty of water.

6.4 Reference to other sections

Not applicable

7. Handling and storage**7.1 Precautions for safe handling:**

No special indications.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. Dry atmosphere.

Recommended storage temperature: Room temperature.

7.3 Specific end use(s)

No more relevant data available

8. Exposure controls/personal protection**8.1 Control parameters:**

TLV-TWA(ACGIH): 10mg/m³/8hVLA-ED: 10 mg/m³

8.2 Exposure controls

No special indications.

Respiratory protection:

If dust forms, use suitable respiratory protection.

Hand protection:
Use suitable gloves

Eye/face protection:
Use safety glasses.

Individual hygiene measures:
Wash hands before breaks and when the job is done. Remove contaminated clothing.

Environmental exposure controls:
Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: solid
Colour: BlueNot regenerable
Granulometry: N/A
Odour: Odourless.
pH:
N/A
Melting point/freezing point: N/A
Initial boiling point and boiling range:
N/A
Flash point:
N/A
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: N/A
Solubility: in () Insoluble in water
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Kinematic viscosity: N/A
Dynamic viscosity:
N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

10.2 Chemical stability:

Hygroscopic.

10.3 Possibility of hazardous reactions

No specific data.

10.4 Conditions to avoid:

The product is chemically stable under standar ambient conditions (room temperature).

10.5 Incompatible materials:

Hydrogen halides Halogen oxides Light metals Heat

10.6 Hazardous decomposition products:

No specific data.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD L0 oral rbt : 1.272 mg/kg CoCl₂

LD50 oral rat : 80 mg/kg CoCl₂

Dangerous effects for health:

Symptoms due to acute intoxication of (Co): gastro-intestinal disorders loss of appetite alteration of the body temperature hypotension kidney problems cardiovascular disorders pancreas disorders Risk of sensitization allergic reaction Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) (Co) 16 mg/l

Classification: Extr. toxic

Fish (Co) 4.0 mg/l

Classification: Extr. toxic

Bacteria (Co) 6,2 mg/l

Classification: Extr. toxic

Mammals (Co) 5.0 mg/l

Classification: Extr. toxic

- Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

- Observations:

Extremely toxic in water supplies and soils. Ecotoxicity acute and chronic.

12.2 Persistence and Degradability :

- Test:

BOD5

- Biotic degradation classification:

BOD5/COD

Biodegradability

- Abiotic degradation depending on pH:

- Observations:

12.3 Bioaccumulative potential:

- Test:

- Bioaccumulation:

Risk

- Observations:

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Product insoluble in water.

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

DATA BASED on the components of the preparation.

(Soluble compounds of cobalt II)

13. Disposal considerations

13.1 Waste treatment methods:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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14. Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

Not applicable

16. Other information

Other precautionary statements

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P330 Rinse mouth.

P405 Store locked up.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.