

# S a f e t y   D a t a   S h e e t

## According to Regulation (EC) 1907/2006



### 5416 Red Primary Solution

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

##### **1.1 Product identifier**

Name:

Red Primary Solution

**Synonym:**

**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](mailto:product.safety@panreac.com)

##### **1.4 Emergency telephone:**

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

#### **2. Identification of dangers**

Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Carc. 1B

Acute Tox. 4

Resp. Sens 1

Skin Sens. 1

Aquatic Chronic 2

## Hazard Pictograms



## Signal word

Danger

## Hazard statements

H350i May cause cancer by inhalation.

H302 Harmful if swallowed.

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

H317 May cause an allergic skin reaction.

H411 Toxic 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.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 Wash...thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

## Classification (67/548/CEE or 1999/45/CE).

N Dangerous for the environment

T Toxic

R51/53

R42/43

RE22

R49

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

## 3. Composition/information on ingredients

Name: Red Primary Solution

### Composition:

#### 0001: Hydrochloric Acid 35%

Formula: HCl M.= 36,46 CAS [7647-01-0]

EC number (EINECS): 231-595-7

EC index number: 017-002-01-X

**Content:**  $\geq 1 \%$   $\leq 5 \%$

## Classification Regulation (CE) n° 1272/2008.

Skin Corr. 1B, STOT SE 3

## Hazard Pictograms



## Signal word

Danger

## Hazard statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

## Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 Wash...thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P321 Specific treatment (see on this label).

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

**Classification (67/548/CEE or 1999/45/CE).**

**R34, R37** Causes burns.

## 0002: Cobalt(II) Chloride 6-hydrate

Formula:  $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$  M.= 237,93 CAS [7791-13-1]

EC number (EINECS): 231-589-4

EC index number: 027-004-00-5

REACH Registration Number: 01-2119517584-37-XXXX

**Content:**  $\geq 5\%$   $\leq 15\%$

## **Classification Regulation (CE) nº 1272/2008.**

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.

### **Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P264 Wash...thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P281 Use personal protective equipment as required.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

### **Classification (67/548/CEE or 1999/45/CE).**

<b>N</b> Dangerous for the environment	<b>R42/43</b> May cause sensitisation by inhalation and skin contact.
<b>T</b> Toxic	<b>RE22</b> Also harmful if swallowed.
	<b>R60</b> May impair fertility.
	<b>R49</b> May cause cancer by inhalation.
	<b>R68</b> Possible risk of irreversible effects.
	<b>R50/53</b> Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## **4. First aid measures**

### **4.1 General indications:**

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

### **4.2 Inhaling:**

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

### **4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

#### **4.4 Eyes:**

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

#### **4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Seek immediate medical assistance.

### **5. Firefighting measures**

#### **5.1 Suitable extinguishing media:**

As appropriate to the environment.

#### **5.2 Unsuitable extinguishing media:**

No specific data.

#### **5.3 Special hazards arising from the substance or mixture:**

Incombustible.

#### **5.4 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:**

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

#### **6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

### **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. Restricted access, only authorized to technicians.

### **8. Exposure controls/personal protection**

#### **8.1 Exposure controls:**

Ensure good ventilation and renewal of the air in the premises.

#### **8.2 Control parameters:**

: Risk of sensitization.,

### **8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection.

### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye/face protection:**

Use suitable goggles.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done. Do not eat, drink or smoke in the workplace. Do not inhale the substance.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: liquid

Colour: Red

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: Miscible with 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

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

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

### **10.2 Incompatible materials:**

No specific data.

### **10.3 Hazardous decomposition products:**

Chlorine. Hydrogen chloride.

### **10.4 Chemical stability:**

No specific data.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

: Data not available.

### **11.2 Dangerous effects for health:**

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: Carcinogenic in animal testing. 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) 16 mg/l

Classification:

Extr. toxic

Fish 4.0 mg/l

Classification:

Extr. toxic

Bacteria 6,2 mg/l

Classification:

Extr. toxic

Mammals 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:**

#### **- Biotic degradation classification:**

BOD5/COD

Biodegradability

#### **- Abiotic degradation depending on pH:**

#### **- Observations:**



### **12.3 Bioaccumulative potential:**

- **Test:**

- **Bioaccumulation:**

Risk = ----

- **Observations:**

Bioaccumulable product.

(Co)

### **12.4 Mobility in soil :**

Data not available.

### **12.5 Assessment PBT and MPMB :**

Data not available.

### **12.6 Other adverse effects:**

Do not allow it to enter soils or water channels.

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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### **13.2 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**

Overland (ADR):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Environmentally hazardous substance, liquid, n.o.s.

UN 3082 Class: 9 CONTAM. MAR PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 964 PAX 964

## **15. Regulatory information**

The substance is subject to Regulation (EC) No 273/2004 of the European Parliament and of the Council, of 11 February 2004 on drug precursors, Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors, Commission Regulation (EC) No 1277/2005 of 27 July 2005 laying down implementing rules for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and for Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.

## 16. Other information

### Other precautionary statements

P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P281 Use personal protective equipment as required.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

### Labelling (65/548/CEE or 1999/45/CE)

R-phrases(s):	<b>R51/53</b> Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. <b>R42/43</b> May cause sensitisation by inhalation and skin contact. <b>RE22</b> Also harmful if swallowed. <b>R49</b> May cause cancer by inhalation.
S-phrases(s):	<b>S60</b> This material and its container must be disposed of as hazardous waste. <b>S45</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). <b>S53</b> Avoid exposure - obtain special instructions before use. <b>S22</b> Do not breathe dust. <b>S61</b> Avoid release to the environment. Refer to special instructions/safety data sheets.

Version and revision date : 3 3.11.10

Date published: 3.11.10

In respect of the previous review, changes have been made to the following sections: 2, 3, 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.