



## 6348 Lithium \*standard solution Li=1,000+-0,002 g/l

### 1. Identification of the substance/preparation and of the company or firm

#### 1.1 Identification of the substance or preparation

Name:

Lithium \*standard solution Li=1,000+-0,002 g/l

**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 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

#### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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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.

**No hazardous mixture as specified in Regulation (CE) 1272/2008.**

**No hazardous mixture as specified in Classification (67/548/CEE or 1999/45/CE).**

### 3. Component Composition/Information

Name: Lithium \*standard solution Li=1,000+-0,002 g/l

### 4. First aid

#### **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.

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

Wash with plenty of water. Remove contaminated clothing.

#### **4.4 Eyes:**

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

#### **4.5 Swallowing:**

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

### **5. Fire-fighting means**

#### **5.1 Suitable fire-extinguishing means:**

As appropriate to the environment.

#### **5.2 Fire-fighting means which must NOT be used:**

No specific data.

#### **5.3 Special risks:**

Incombustible.

#### **5.4 Protective equipment:**

Suitable clothing and footwear.

### **6. Measures to be taken in the event of accidental spillage**

#### **6.1 Individual precautions:**

Avoid contact with the skin, eyes or clothing.

#### **6.2 Precautions for care of the environment:**

Avoid pollution of the soil, water supplies and drains.

#### **6.3 Methods for collection/cleaning:**

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. Neutralize with diluted sodium hydroxide.

### **7. Handling and storage**

#### **7.1 Handling:**

No special indications.

#### **7.2 Storage:**

Well sealed containers. In well ventilated premises. Room temperature. Do not store in metal containers.

### **8. Staff exposure/protection controls**

**8.1 Technical protective measures:**

No special indications.

**8.2 Exposure limit control:**

VLA-EC(HCl): 10 ppm - 15 mg/m<sup>3</sup>

VLA-ED(HCl): 5 ppm - 7,6 mg/m<sup>3</sup>

**8.3 Respiratory protection:**

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

**8.4 Hand protection:**

Use suitable gloves

**8.5 Eye protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

Use suitable work clothing. Remove contaminated clothing. Wash hands and face before breaks and when the job is done.

**8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

**9. Physical and chemical properties**

Appearance: liquid

Colour:

N/A

Granulometry: N/A

Odour: Characteristic.

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: (20/4) 1

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Viscosity: N/A

**10. Stability and reactivity**

**10.1 Conditions which should be avoided:**

High temperatures.

**10.2 Matter which should be avoided:**

Metals. Alkaline solutions.

**10.3 Hazardous decomposition products:**

No specific data.

**10.4 Complementary information:**

No specific data.

**11. Toxicological information****11.1 Acute toxicity:**

: Data not available.

**11.2 Dangerous effects for health:**

If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Can cause anxiety spasms ataxia (motor coordination disorders)  
Take the usual precautions for handling chemical products. The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: If fumes inhaled: Irritations to the respiratory tracts. Causes coughing breathing difficulties Upon contact with the skin: irritations slight Through contact with the eyes: irritations slight

**12. Environmental information****12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

Fish test 25 mg/l

Classification:

Toxic

Leuciscus idus (48h)(1N) 862 mg/l

Classification:

Very toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Medium

12.1.3. - Observations:

Has a major acute effect on the water and land environment depending on pH.

**12.2 Persistence and Degradability :**

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD Biodegradability = ----

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Does not consume oxygen biologically.

### **12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk = ----

12.3.3. - Observations:

It is not bio-accumulable, although it is accumulable in water courses and soils in saline form (Cl-).

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

Data not available.

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

Data not available.

### **12.6 Other possible effects on the environment:**

Generally, its effect is acutely considerable in the dumping area. Its long-term effect is not so considerable if the dumping is not frequent.

The treatment is neutralization.

DATA BASED on the components of the preparation.

(Hydrochloric acid)

## **13. Considerations regarding elimination**

### **13.1 Substance or preparation:**

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. Information concerning transport**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

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

## **16. Other information**

Review number and 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.