



**S a f e t y D a t a S h e e t**  
According to Regulation (EC) 1907/2006

163309 **Acrylamide, 99% PS**

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

**1.1 Identification of the substance or preparation**

Name:

Acrylamid

**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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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.:(+34) Tel.:(+34) 937 489 499

**2. Identification of dangers**

May cause cancer. May cause heritable genetic damage. Harmful by inhalation and in contact with skin. Toxic if swallowed. Irritating to eyes and skin. May cause sensitization by skin contact. Also toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Possible risk of impaired fertility.

"Restricted to professional users" as specified in Directive 97/56/EC.

### 3. Component Composition/Information

Name: Acrylamid

Formula:  $C_3H_5NO$  M.=71,08 CAS [79-06-1]

EC number (EINECS): 201-173-7

EC index number: 616-003-00-0

### 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. In the event of suffocation, proceed to provide artificial respiration. 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. Seek immediate medical assistance.

#### 4.5 Swallowing:

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

### 5. Fire-fighting means

#### 5.1 Suitable fire-extinguishing means:

Water. Foam.

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

Carbon dioxide ( $CO_2$ ).

#### 5.3 Special risks:

Flammable. Keep away from sources of ignition. In the event of fire, toxic fumes may form:  $NO_x$ ,  $CO$ ,  $NH_3$ .

#### 5.4 Protective equipment:

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

### **6.1 Individual precautions:**

Do not inhale the dust.

### **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 dry 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 Handling:**

No special indications.

### **7.2 Storage:**

Well sealed containers. In well ventilated premises. In a cool place. Restricted access, only authorized to technicians.

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

### **8.1 Technical protective measures:**

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### **8.2 Exposure limit control:**

TLV-TWA: 0,03 mg/m<sup>3</sup>, dermal resorption.

VLA-ED: 0,03 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Filter A-P<sub>3</sub>.

### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye protection:**

Use suitable goggles.

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

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Do not eat, drink or smoke in the workplace. Avoid the formation of dust.

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

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

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

Appearance:

White solid.

Odour:

Odourless.

pH 5,5-7,5

Boiling point:(30 hPa):

Melting point: 84,5°C

Density (20/4): 1,12

Solubility: Soluble in water.

## **10. Stability and reactivity**

### **10.1 Conditions which should be avoided:**

High temperatures.

### **10.2 Matter which should be avoided:**

Acids. Oxidant agents. Reducing agents. Alkaline solutions.

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

Carbon monoxide. Ammonia. Nitrous fumes.

### **10.4 Complementary information:**

Light-sensitive.( Tends to polymerize.)

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD<sub>50</sub> oral rat: 124 mg/kg

LD<sub>50</sub> intraperitoneal rat: 90 mg/kg

LDLo oral rabbit: 126 mg/kg

LDLo rabbit skin: 1000 mg/kg

Subacute to chronic toxicity:

TDLo oral mouse: 300 mg/kg

TDLo oral rat: 1456 mg/kg

Carcinogenic in tests on animals.

Rabbit skin sensitization test: 500 mg/24h: light

Eye irritation test (rabbits): 10 mg/30s: light

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

If dust inhaled: coughing, breathing difficulties. Irritations to the respiratory tracts.

Upon contact with the skin: irritations.

Through contact with the eyes: irritations.

If swallowed: Can cause effects on the central nervous system, ataxia (motor coordination disorders). Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract.

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

## 12. Environmental information

### 12.1 Mobility:

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### 12.2 Ecotoxicity:

12.1.1 - EC<sub>50</sub> test (mg/l):

Fish (*C. auratus*) = 160 mg/l ; Classification: Extr. toxic

12.2.2 - Receptor medium:

Risk for the water environment = Medium

Risk for the land environment = Medium

12.2.3 - Observations:

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### 12.3 Degradability:

12.3.1 - Test: BOD<sub>5</sub>=0,97 g/g

12.3.2 - Biotic degradation classification:

BOD<sub>5</sub>/COD Biodegradability = -----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

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### 12.4 Accumulation:

12.4.1 - Test:

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12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Data not available.

### 12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels. High toxic product for water.

### **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.

#### **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.

### **14. Information concerning transport**

Overland (ADR):

Technical name: ACRILAMIDA, SOLIDA

ONU 2074 Class: 6.1 Packaging group: III (E)

By sea (IMDG):

Technical name: ACRILAMIDA, SOLIDA

ONU 2074 Class: 6.1 Packaging group: III

By air (ICAI-IATA):


Technical name: Acrilamida, sólida

ONU 2074 Class: 6.1 Packaging group: III

Packaging instructions: CAO 619 PAX 619

## 15. Mandatory information

### 15.1 Labelling as per REACH

Symbols: 

Danger indications: Toxic

Phrases R: 45-46-20/21-25-36/38-43-E48/23/24/25-62 May cause cancer. May cause heritable genetic damage. Harmful by inhalation and in contact with skin. Toxic if swallowed. Irritating to eyes and skin. May cause sensitization by skin contact. Also toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Possible risk of impaired fertility.

Phrases S: 53-45 Avoid exposure-obtain special instructions before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC index number: 616-003-00-0

## 16. Other information

Review number and date:3 07.06.09

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