



## 1511 Paraformaldehyde \*tablets of~ 1g

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

#### 1.1 Identification of the substance or preparation

Name:

Paraformaldehyde \*tablets of~ 1g

#### Synonym:

p-Formaldehyde, Polyoxymethylene

**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

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.

Acute Tox. 4

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

Carc. 2

Skin Sens. 1

## Hazard Pictograms



### Signal word

Warning

### Hazard statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H317 May cause an allergic skin reaction.

### 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/spray.

P264 Wash...thoroughly after handling.

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

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

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

**Xn** Harmful

R43

R40

R36/37/38

R22

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

## 3. Component Composition/Information

Name: Paraformaldehyde \*tablets of~ 1g

Formula: (HCHO)<sub>n</sub> CAS [30525-89-4]

EC number (EINECS): 200-001-8

## 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 sickness persists, seek medical assistance.

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

Wash with plenty of water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

#### **4.4 Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. 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:**

Water. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder.

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

No specific data.

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

Flammable. Keep away from sources of ignition. In the event of fire, toxic fumes may form. Risk of explosion of dust.

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

Suitable clothing and footwear.

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

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

No special indications.

#### **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:**

15 °C Cooled (below Well sealed containers. Dry atmosphere. Away from sources of ignition and heat.

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

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

No special indications.

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

TLV-TWA(Formaldehyde): 1 ppm - 1,5 mg/m<sup>3</sup>

VLA-ED(Formaldehyde): 0,3 ppm - 0,6 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Filter B. Filter P3.

### **8.4 Hand protection:**

Use suitable gloves neopren PVC nitrile latex

### **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: solid

Colour: White

Granulometry: N/A

Odour: Characteristic.

pH: 5,5

Melting point/freezing point: 160 - 165 °C

Initial boiling point and boiling range:

N/A

Flash point: 71 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: / 40 %(V)

Vapour pressure: 1,93 hPa (25 °C)

Vapour density: N/A

Relative density: (20/4) 1,4

Solubility: in Very slightly soluble in water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 460 °C

Decomposition temperature: above 165 °C

Viscosity: N/A

## **10. Stability and reactivity**

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

High temperatures.

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

Strong oxidant agents. Alkaline compounds.

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

Carbon monoxide. Formaldehyde.

### **10.4 Complementary information:**

No specific data.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral rat : 800 mg/kg

LD L0 skn rbt : 10.000 mg/kg

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

If fumes inhaled: breathing difficulties coughing Upon contact with the skin: irritations Through contact with the eyes: irritations Decomposition of the product originates secondary substances which can cause sensitization upon contact with the skin. No damage is anticipated to the foetus, provided the VLA values are respected (maximum admissible concentration in the workplace). There are no definite objective conclusions regarding the carcinogenic effect of this substance.

## **12. Environmental information**

### **12.1 Toxicity:**

Algae (Sc. quadricauda) LC10 1 mg/l.

Protozoa: LC10 1 mg/l.

Crustaceans (Daphnia magna) LC10 5 mg/l.

### **12.2 Persistence and Degradability :**

Data not available.

### **12.3 Bioaccumulative potential:**

Data not available.

### **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:**

Do not allow it to enter soils or water channels.

## **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**

Overland (ADR):

Technical name: PARAFORMALDEHYDE

UN 2213 Class: 4.1 Packaging group: III (E)

By sea (IMDG):

Technical name: PARAFORMALDEHYDE

UN 2213 Class: 4.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Paraformaldehyde

UN 2213 Class: 4.1 Packaging group: III

Packaging instructions: CAO 448 PAX 446

## **15. Regulatory information**

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

## **16. Other information**

### **Other precautionary statements**

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

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+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.

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

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

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

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.

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

R-phrase(s): **R43** May cause sensitisation by skin contact.  
**R40** Limited evidence of a carcinogenic effect.  
**R36/37/38** Irritating to eyes, respiratory system and skin.  
**R22** Harmful if swallowed.

S-phrase(s): **S36/37** Wear suitable protective clothing and gloves.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**S22** Do not breathe dust.

Review number and date: 4 15.09.2011

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