



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006
and (EU) 453/2010

1451 Paraformaldehyde

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

1.1 Product identifier

Name:

Paraformaldehyde

Synonym:

p-Formaldehyde, Polyoxymethylene

CAS: [30525-89-4]

REACH Registration Number: 02-2119678078-26-XXXX

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)

Tel.: (+34) 937 489 499

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Acute Tox. 4
Acute Tox. 4
Skin Irrit. 2
Eye Dam. 1
Skin Sens. 1A
Carc. 1B

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

Xn Harmful

R43
R40
R36/37/38
R22

2.2 Label elements:

Hazard Pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H350 May cause cancer.
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 or 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.

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

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

Name: Paraformaldehyde
Formula: (HCHO)_n CAS [30525-89-4]
EC number (EINECS): 200-001-8
REACH Registration Number: 02-2119678078-26-XXXX

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.

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. Call for medical help.

5. Firefighting measures

5.1 Suitable extinguishing media:

Dry powder. Alcohol resistant foam. Carbon dioxide (CO₂). Water.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

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

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 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 Precautions for safe handling:

No special indications.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. Dry atmosphere. Away from sources of ignition and heat.
Do not store in metal containers. In a cool place.

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

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

8.2 Control parameters:

VLA-EC(Formaldehyde): 0,6 mg/m³ VLA-EC(Formaldehyde): 0,3 ppm

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter B3.

8.4 Hand protection:

Use suitable gloves neopren PVC

8.5 Eye/face protection:

Use safety glasses.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use complete protective equipment. 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: ~6

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:

Insertar Aquí Grupo de repetición

1,4 g/ml

Solubility: in () Slightly soluble in cold water. Soluble in hot water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 460 °C

Decomposition temperature: above 165 °C

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

10. Stability and reactivity

10.1 Conditions to avoid:

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

10.2 Incompatible materials:

Bases. Strong oxidant agents.

10.3 Hazardous decomposition products:

Formaldehyde. Carbon monoxide.

10.4 Chemical stability:

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: coughing breathing difficulties Upon contact with the skin: irritations allergic reaction May cause: burns Through contact with the eyes: irritations May cause: burns There are no definite objective conclusions regarding the carcinogenic effect of this substance.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Algae (Sc. quadricauda) EC10 1 mg/l

Classification: Extr. toxic

Protozoa: EC10 1 mg/l

Classification: Extr. toxic

Micro-organisms EC10 5 mg/l

Classification: Extr. toxic

- Receptor medium:

Risk for the water environment

Risk for the land environment

- Observations:

12.2 Persistence and Degradability :

- Test:

- Biotic degradation classification:

BOD5/COD

Biodegradability

- Abiotic degradation depending on pH:

- Observations:

Data not available.

12.3 Bioaccumulative potential:

- **Test:**

- **Bioaccumulation:**

Risk

- **Observations:**

Data not available.

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.

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: 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

Exemptions from the obligation to Register according to article 2 of Regulation (EC) No. 1907/2006 (REACH)

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 or 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.
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).
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.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
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):	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-phrases(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.

Version and revision date : 5 23.05.2016

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

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.