



Safety Data Sheet

According to Regulation (EC) 1907/2006



2931 Formaldehyde 3,7-4,0% *buffered to pH=7 and stabilized with methanol

Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Formaldehyde 3,7-4,0% *buffered to pH=7 and stabilized with methanol

Synonym:

Formaline, Formol

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

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Tel. (+34) 937 489 400

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1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Carc. 2

Skin Sens. 1

Hazard Pictograms



Signal word

Warning

Hazard statements

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.

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.

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

Xn Harmful
R43
R40

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

Component Composition/Information

Name: Formaldehyde 3,7-4,0% *buffered to pH=7 and stabilized with methanol

Formula: CH₂O M.= 30,03 CAS [50-00-0]

EC number (EINECS): 200-001-8

EC index number: 605-001-00-5

Composition:**0001: Methanol**Formula: CH₃OH M.= 32,04 CAS [67-56-1]

EC number (EINECS): 200-659-6

EC index number: 603-001-00-X

REACH Registration Number: 01-2119433307-44-XXXX

Content: ≤ 3 %**Classification Regulation (CE) n° 1272/2008.**

Flam. Liq. 2

Acute Tox. 3

Acute Tox. 3

Acute Tox. 3

STOT SE 1

Hazard Pictograms**Signal word**

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H331 Toxic if inhaled.

H311 Toxic in contact with skin.

H301 Toxic if swallowed.

H370 Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

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

P243 Take precautionary measures against static discharge.

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

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.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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.

P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.

P311 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).

P322 Specific measures (see on this label).

P330 Rinse mouth.

P361 Remove/Take off immediately all contaminated clothing.

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use for extinction.

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

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

T Toxic

F Highly flammable **R23/24/25** Toxic by inhalation, in contact with skin and if swallowed.

R11 Highly flammable.

0002: Formaldehyde 30-40% *stabilized with methanol

Formula: CH₂O M.= 30,03 CAS [50-00-0]

EC number (EINECS): 200-001-8

EC index number: 605-001-00-5

REACH Registration Number: 01-2119488953-20-XXXX

Content: >= 3,7 % <= 4 %

Classification Regulation (CE) n° 1272/2008.

Acute Tox. 3

Acute Tox. 3

Acute Tox. 3

Skin Corr. 1B

Carc. 2

Skin Sens. 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

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

Precautionary statements

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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.

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

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

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.

P202 Do not handle until all safety precautions have been read and understood.

P201 Obtain special instructions before use.

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

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

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

P310 Immediately call a POISON CENTER or doctor/physician.

P311 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).

P322 Specific measures (see on this label).

P330 Rinse mouth.

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

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

P361 Remove/Take off immediately all contaminated clothing.

P363 Wash contaminated clothing before reuse.

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

P405 Store locked up.

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

R43 May cause sensitisation by skin contact.

R40 Limited evidence of a carcinogenic effect.

T Toxic

R34 Causes burns.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

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 (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 medical assistance.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Dry powder. Foam. Carbon dioxide (CO₂). Water.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

Combustible. Keep away from sources of ignition.

5.4 Protective equipment:

Suitable clothing and footwear.

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the fumes.

6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. 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. Clean any remains with plenty of water. Neutralize with excess sodium bisulphite solution.

Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat. Atmospheric temperature. Restricted access, only authorized to technicians. Do not store in metal containers.

Staff exposure/protection controls

8.1 Technical protective measures:

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

8.2 Exposure limit control:

VLA-EC(Formaldehyde): 0,37 mg/m³

VLA-EC(Formaldehyde): 0,3 ppm

MAK (Formaldehyde) 0,5 ml/m³; 0,6 mg/m³(methanol) 200 ml/m³; 260 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter B. Filter P3.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

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.

Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry: N/A
Odour: Piquant.
pH: 6,8 - 7,2
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: ~1,019
Solubility: in Miscible with water
Partition coefficient: n-octanol/water: N/A
Auto-ignition temperature: N/A
Decomposition temperature: N/A
Viscosity: N/A

Stability and reactivity

10.1 Conditions which should be avoided:

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

10.2 Matter which should be avoided:

Polymerization initiators. Alkaline metals. Acids. Nitrogen oxides. Hydrogen peroxide. Oxidant agents. Performic acid.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

No specific data.

Toxicological information

- **Acute toxicity:**

LD50 oral rat : 100 mg/kg referred to the pure substance

LD50 skn rbt : 270 mg/kg referred to the pure substance

LC50 inh rat : 203 mg/m³

- **Dangerous effects for health:**

Taking the preparation" components into account, the likely dangerous characteristics are as follows: If fumes inhaled: Irritations to the respiratory tracts. Upon contact with the skin: irritations Can cause allergic reaction Through contact with the eyes: irritations If swallowed: 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.

Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (*Photobacterium phosphoreum*) 8,5 mg/l

Classification:

Extr. toxic (CH₂O 30-40%)

Bacteria (*Ps. putida*) EC₀ 14 mg/l

Classification: Extr. toxic

(CH₂O 30-40%)

Algae (*M. aeruginosa*) EC₀ 0,4 mg/l

Classification: Extr. toxic

(CH₂O 30-40%)

Crustaceans (*Daphnia magna*) 42 mg/l

Classification:

Extr. toxic (CH₂O 30-40%)

Fish (*Salmo gairdneri*) 214 mg/l

Classification:

Highly toxic (CH₂O 30-40%)

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

High

12.1.3. - Observations:

Extremely toxic.

Inhibits active sludges.

Bactericide effect. Generally toxic for water organisms.

Protoplasmatic toxic.

12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

DOC 1,06 g/g(CH₂O 30-40%)

BOD₅/COD

Biodegradability

ThOD 1,068 g/g(CH₂O 30-40%)

High, over 1/3

12.2.3. - Abiotic degradation depending on pH:

BOD₅ 0,728 g/g(CH₂O 30-40%)

12.2.4. - Observations:

Biodegradable product.

12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Non-bioaccumulable product.

12.4 Mobility in soil :

Repartition: log P(oct)= 0,00 (CH₂O 30-40%)

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other possible effects on the environment:

Corrosive product, even in diluted form.

Do not allow it to enter soils or water channels.

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.

Information concerning transport

Not classified as dangerous in the meaning of transport regulations.

Regulatory information

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

Other information

Other precautionary statements

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

P321 Specific treatment (see on this label).

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

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.
S-phrases(s):	S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Review number and date: 4 15.09.2011

Date published: 15.09.2011

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.