



Safety Data Sheet
According to Regulation (EC) 1907/2006
and (EU) 453/2010

3171 Arsenic *standard solution As=1,000 g/l

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

1.1 Product identifier

Name:

Arsenic *standard solution As=1,000 g/l

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 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) n° 1272/2008.

Carc. 1B

Acute Tox. 4

Acute Tox. 4

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

T Toxic

RE20/22
R45

2.2 Label elements:

Hazard Pictograms



Signal word

Danger

Hazard statements

H350 May cause cancer.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

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: Arsenic *standard solution As=1,000 g/l

EC index number: 033-004-00-6

COMPOSITION:

0001: Arsenic Acid

Formula: AsH₃O₄ M.= 141,94 CAS [7778-39-4]

EC number (EINECS): 231-901-9

EC index number: 033-005-00-1

Content: >= 0,1 % <= 10 %

Classification Regulation (CE) nº 1272/2008.

Carc. 1A
Acute Tox. 3
Acute Tox. 3

Hazard Pictograms



Signal word

Danger

Hazard statements

H350 May cause cancer.
H331 Toxic if inhaled.
H301 Toxic if swallowed.

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.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.
P271 Use only outdoors or in a well-ventilated area.
P281 Use personal protective equipment as required.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P311 Call a POISON CENTER or doctor/physician.
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

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

T Toxic

RE23/25 Also toxic by inhalation and if swallowed.

R45 May cause cancer.

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. 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, keeping eyelids open.

4.5 Swallowing:

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

5. Firefighting measures

5.1 Suitable extinguishing media:

As appropriate to the environment.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

Incombustible.

5.4 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with the skin, eyes or clothing.

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 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.

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. In well ventilated premises.

Recommended storage temperature: Room temperature. Restricted access, only authorized to technicians.

8. Exposure controls/personal protection

8.1 Exposure controls:

Avoid exposure during handling and transfer.

8.2 Control parameters:

Data not available.

8.3 Respiratory protection:

Gas Mask Filter B3.

8.4 Hand protection:

Use suitable gloves nitrile

8.5 Eye/face protection:

Use safety glasses.

8.6 Individual hygiene measures:

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: Odourless.

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:

Insertar Aquí Grupo de repetición

N/A

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

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:

No specific data.

10.3 Hazardous decomposition products:

No specific data.

10.4 Chemical stability:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD L0 oral rbt : 5 mg/kg (referring to the anhydrous substance) H3PO4

LD50 oral rat : 48 mg/kg (referring to the anhydrous substance) H3PO4

11.2 Dangerous effects for health:

If fumes inhaled: Irritations to the mucosae Quickly absorbed. Systemic effects: intestinal disorders vomiting cardiovascular failure respiratory paralysis collapse death Take the usual precautions for handling chemical products. Other dangerous characteristics are not discarded.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Fish (As) 1,1 mg/l

Classification: Extr. toxic

Hydrologycal organisms. (As) 1 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:

12.3 Bioaccumulative potential:

- Test:

- Bioaccumulation:

Risk

High

- Observations:

Very bioaccumulable product.

Arsenic bioaccumulates in the tissues.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Dangerous for drinking water.

Do not allow it to enter soils or water channels.

DATA BASED on the components of the preparation.

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: ARSENIC COMPOUND, LIQUID, N.O.S. (Arsenic Acid)

UN 1556 Class: 6.1 CONTAM. MAR Packaging group: II (D/E)

By sea (IMDG):

Technical name: ARSENIC COMPOUND, LIQUID, N.O.S. (Arsenic Acid)

UN 1556 Class: 6.1 CONTAM. MAR Packaging group: II

By air (ICAI-IATA):

Technical name: Arsenic compound, liquid, n.o.s. (Arsenic Acid)

UN 1556 Class: 6.1 CONTAM. MAR Packaging group: II

Packaging instructions: CAO 662 PAX 654

15. Regulatory information

The substance is subject to Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals.

16. Other information

Other precautionary statements

P281 Use personal protective equipment as required.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

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

P330 Rinse mouth.

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): **RE20/22** Also harmful by inhalation and if swallowed.

R45 May cause cancer.

S-phrase(s): **S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53 Avoid exposure - obtain special instructions before use.

S36 Wear suitable protective clothing.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Version and revision date : 4 13.12.16

Date published: 13.12.16

In respect of the previous review, changes have been made to the following sections: 3

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.