



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

1499 Potassium Chromate solution 10% w/v

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

1.1 Product identifier

Name:

Potassium Chromate solution 10% w/v

CAS: [7789-00-6]

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) nº 1272/2008.

Carc. 1B
Muta. 1B
Skin Sens. 1
Aquatic Chronic 2

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

N	Dangerous for the environment	R51
T	Toxic	R43
		R46
		R49
		R53

2.2 Label elements:

Hazard Pictograms



Signal word

Danger

Hazard statements

H350i May cause cancer by inhalation.
H340 May cause genetic defects.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

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.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye protection or face protection.

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: Potassium Chromate solution 10% w/v
Formula: K_2CrO_4 M.= 194,21 CAS [7789-00-6]
EC number (EINECS): 232-140-5
EC index number: 024-006-00-8

COMPOSITION:

0001: Potassium Chromate

Formula: K_2CrO_4 M.= 194,21 CAS [7789-00-6]
EC number (EINECS): 232-140-5
EC index number: 024-006-00-8

Content: 10 %

Classification Regulation (CE) nº 1272/2008.

Carc. 1B
Muta. 1B
Eye Irrit. 2
STOT SE 3
Skin Irrit. 2
Skin Sens. 1
Aquatic Acute 1
Aquatic Chronic 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H350i May cause cancer by inhalation.
H340 May cause genetic defects.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P281 Use personal protective equipment as required.
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.

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

T Toxic
N Dangerous for the environment

R49 May cause cancer by inhalation.

R46 May cause heritable genetic damage.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 (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:

Water. Alcohol resistant foam.

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:

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 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. Dry atmosphere.

Recommended storage temperature: Room temperature.

8. Exposure controls/personal protection

8.1 Exposure controls:

No special indications.

8.2 Control parameters:

Data not available.

8.3 Respiratory protection:

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

8.4 Hand protection:

Use suitable gloves

8.5 Eye/face protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work 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: Yellow

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

(20/4) 1,078 g/ml
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 standard ambient conditions (room temperature).

10.2 Incompatible materials:

Flammable substances. Organic compounds. Reducing agents. Chlorates. Phosphides. Sulphides. Hydrazine and derivatives. Metals (powder).

10.3 Hazardous decomposition products:

No specific data.

10.4 Chemical stability:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD50 oral mus : 180 mg/kg (referring to the anhydrous substance)

LD50 ipr mus : 32 mg/kg (referring to the anhydrous substance) K₂CrO₄

11.2 Dangerous effects for health:

Upon contact with the skin: irritations Risk of sensitization Through contact with the eyes: irritations If swallowed: gastro-intestinal disorders diarrhoea vomiting If inhaled: Carcinogenic in animal testing. May cause: allergic reaction May cause heritable genetic damage. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Algae (Cr) 5 mg/l

Classification: Extr. toxic

Crustaceans (Daphnia magna) (Cr) 0,3 mg/l

Classification: Extr. toxic

Fish (Cr) 29 mg/l

Classification: Extr. toxic

- Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

- Observations:

The ecotoxicity is due to the chrome ion.

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

- Observations:

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.

High toxic product for water.

Data refer to the pure substance.

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.

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. Transport information

Overland (ADR):

Technical name: TOXIC LIQUID, INORGANIC, N.O.S.

UN 3287 Class: 6.1 CONTAM. MAR Packaging group: III (E)

By sea (IMDG):

Technical name: TOXIC LIQUID, INORGANIC, N.O.S.

UN 3287 Class: 6.1 CONTAM. MAR Packaging group: III

By air (ICAI-IATA):

Technical name: Toxic liquid, inorganic, n.o.s.

UN 3287 Class: 6.1 CONTAM. MAR Packaging group: III

Packaging instructions: CAO 663 PAX 655

15. Regulatory information

Contains a substance included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)

16. Other information

Other precautionary statements

P281 Use personal protective equipment as required.

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.

P391 Collect spillage.

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): **R51** Toxic to aquatic organisms.
 R43 May cause sensitisation by skin contact.
 R46 May cause heritable genetic damage.
 R49 May cause cancer by inhalation.
 R53 May cause long-term adverse effects in the aquatic environment.
- S-phrase(s): **S61** Avoid release to the environment. Refer to special instructions/safety data sheets.
 S60 This material and its container must be disposed of as hazardous waste.
 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.

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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.