

# S a f e t y   D a t a   S h e e t

## According to Regulation (EC) 1907/2006



### 1497 Potassium Chromate

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

##### **1.1 Product identifier**

Name:

Potassium Chromate

**Synonym:**

**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](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) 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).**

<b>T</b> Toxic	R49
<b>N</b> Dangerous for the environment	R46
	R36/37/38
	R43
	R50/53

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

## **3. Composition/information on ingredients**

Name: 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

## **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. Seek medical assistance.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

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

### **5.2 Unsuitable extinguishing media:**

No specific data.

### **5.3 Special hazards arising from the substance or mixture:**

Incombustible. Encourages fire to break out. Keep away from combustible substances.

### **5.4 Advice for firefighters:**

Suitable clothing and footwear. Self-contained breathing equipment.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the dust. Protect the respiratory tracts. Avoid contact with the skin, eyes or clothing. Ensure adequate ventilation.

### **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:**

Do not inhale the dust. Avoid contact with the skin, eyes or clothing.

**7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. Dry atmosphere. Room temperature.

**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-ED(Cr): 0,05 mg/m<sup>3</sup> ,

**8.3 Respiratory protection:**

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

**8.4 Hand protection:**

Use suitable gloves (nitrile)

**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: solid

Colour: Lemon-yellow

Granulometry: N/A

Odour: Odourless.

pH: 8,6 - 9,8

Melting point/freezing point: 975 °C

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:

N/A

Solubility: 630 g/l in water ( 20 °C )

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:**

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

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

No specific data.

### **10.4 Chemical stability:**

Reacts with Glycerol violently.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral mus : 180 mg/kg

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

Upon contact with the skin: May cause burns Penetration of the product causes injuries which are hard to cure. May cause sensitization Through contact with the eyes: burns If swallowed: gastro-intestinal disorders diarrhoea vomiting Due to absorption: hepatic problems kidney problems If inhaled: allergic reaction Risk of pneumonia. Allergic reaction in nasal mucosae (perforation). Carcinogenic in animal testing. Risk of sensitization May cause heritable genetic damage.

## **12. Environmental information**

### **12.1 Toxicity:**

#### **- EC50 test (mg/l):**

Algae 0,26 mg/l (72h)

Classification: Extr. toxic

Crustaceans (Daphnia magna) 0,02 mg/l (48h)

Classification: Extr. toxic

Fish (P. promelas) LC50 40 mg/l (96h)

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.

Acute and chronically ecotoxicity in the dumping area.

### **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 adverse effects:**

Do not allow it to enter soils or water channels.

High toxic product for water.

### **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: TOXIC SOLID, INORGANIC, N.O.S.

UN 3288    Class: 6.1    CONTAM. MAR    PELIG.M.AMB    Packaging group: II  
(D/E)

By sea (IMDG):

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

UN 3288    Class: 6.1    CONTAM. MAR    PELIG.M.AMB    Packaging group: II

By air (ICAI-IATA):

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

UN 3288    Class: 6.1    CONTAM. MAR    PELIG.M.AMB    Packaging group: II

Packaging instructions:    CAO 676    PAX 669

### **15. Regulatory information**

The substance is included in Annex XIV (LIST OF SUBSTANCES SUBJECT TO AUTHORISATION) according to Regulation (EC) No. 1907/2006 (REACH).

### **16. Other information**

#### **Other precautionary statements**

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

- R-phrases(s):     **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.
- S-phrases(s):     **S53** Avoid exposure - obtain special instructions before use.  
                          **S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
                          **S60** This material and its container must be disposed of as hazardous waste.  
                          **S61** Avoid release to the environment. Refer to special instructions/safety data sheets.

Version and revision date : 6 26.07.2013

Replaced: 24.12.2012

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.