



## Safety Data Sheet

According to Regulation (EU) 830/2015

### 1500 Potassium Dichromate

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

##### 1.1 Product identifier

Name:

Potassium Dichromate

**REACH Registration Number:** 01-2119454792-32-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

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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)

#### 2. Identification of dangers

##### 2.1 Classification of the substance or the mixture.

Carc. 1B

Muta. 1B

Repr. 1B

Ox. Sol. 2

Acute Toxicity Dermal cat. 4

Acute Toxicity Oral cat. 3

Acute Toxicity Inhalation cat. 2

Skin Corr. 1B

Resp. Sens 1

Skin Sens. 1

STOT RE 1

Aquatic Acute 1

Aquatic Chronic 1

## 2.2 Label elements:

### Hazard Pictograms



### Signal word

#### Hazard statements

H350 May cause cancer.

H340 May cause genetic defects.

H360FD May damage fertility. May damage the unborn child.

H272 May intensify fire; oxidiser.

H312 Harmful in contact with skin.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

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.

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

## 2.3 Other hazards:

No further relevant information available.

## 3. Composition/information on ingredients

### 3.1 Substances

Name: Potassium Dichromate

Formula:  $K_2Cr_2O_7$  M.= 294,19 CAS [7778-50-9]

EC number (EINECS): 231-906-6

EC index number: 024-002-00-6

REACH Registration Number: 01-2119454792-32-XXXX

### 3.2 Mixtures

## 4. First aid measures

### 4.1 Description of first aid measures

The first-aider must be protected.

## **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

## **4.3 Indication of any immediate medical attention and special treatment needed**

### **Swallowing:**

Drink large amounts of water or milk. Call for medical help.

### **Inhaling:**

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

### **Contact with the skin:**

Wash with plenty of soap and water. Remove contaminated clothing.

### **Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek immediate medical assistance.

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

Atomized water. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.

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

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

### **5.3 Advice for firefighters:**

Suitable clothing and footwear. Do not allow extinguishing water into surface or underground water courses.

## **6. Accidental release measures**

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

Do not inhale the dust. Protect the respiratory tracts.

### **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 carefully, striving to keep dampened, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water. Carry out the operation with maximum precaution.

### **6.4 Reference to other sections**

Not applicable

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

Ensure good ventilation and renewal of the air in the premises. Handle in a closed system.

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

Well sealed containers. Dry atmosphere. In well ventilated premises.

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

### **7.3 Specific end use(s)**

No more relevant data available

## **8. Exposure controls/personal protection**

### **8.1 Control parameters:**

VLA-ED: 0,05 mg/m<sup>3</sup> Risk of sensitization.

### **8.2 Exposure controls**

Ensure good ventilation and renewal of the air in the premises. The personal protective equipment must satisfy the standards EN currently in force.

Respiratory protection:

If dust forms, use suitable respiratory protection. Filter P3.

Hand protection:

Use suitable gloves latex

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance: solid

Colour: Orange

Granulometry: N/A

Odour: Odourless.

pH: ~4 ((50 g/l))

Melting point/freezing point: 398 °C

Initial boiling point and boiling range: 610 °C

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: 2,68 g/ml

Solubility: 120 g/l in water ( 20 °C )

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: above 500 °C

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

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

### **10.3 Possibility of hazardous reactions**

No specific data.

### **10.4 Conditions to avoid:**

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

### **10.5 Incompatible materials:**

Flammable substances.

### **10.6 Hazardous decomposition products:**

Oxygen In the event of fire, toxic fumes may form.

## **11. Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity:

LD50 oral rat : 57 mg/kg

LD50 skin rabbit : 1.170 mg/kg

LC50 inh rat : 0,09 mg/l 4h

Dangerous effects for health:

Causes sensitization Through contact with the eyes: Serious injuries If swallowed: death If inhaled: burns Carcinogenic in animal testing. May cause heritable genetic damage.

## **12. Environmental information**

### **12.1 Toxicity:**

Fish (P. promelas) LC50 17,6 mg/l

Crustaceans (Daphnia magna) LC50 0,89 mg/l

Fish (Leuciscus Idus) LC0 200 mg/l

Classification: Extr. toxic

Risk for the water environment High

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 pollutant product.

**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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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**

**14.1 UN number**

UN3086

**14.2 UN proper shipping name**

TOXIC SOLID, OXIDIZING, N.O.S.

**14.3 Transport hazard class(es)**

6.1

5.1

**14.4 Packing group**

ADR/IMDG: I

IATA: I

**14.5 Environmental hazards**

PELIG.M.AMB

CONTAM. MAR

**14.6 Special precautions for user**

Not applicable

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

**15.2 Chemical safety assessment**

Not applicable

## **16. Other information**

### **Other precautionary statements**

Version and revision date : 7 07.10.2017

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

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.