

Safety Data Sheet
According to Regulation (EC) 1907/2006



2651 Potassium Permanganate 0,1 mol/l *(0,5N)

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

1.1 Identification of the substance or preparation

Name:

Potassium Permanganate 0,1 mol/l *(0,5N)

Synonym:

Permanganic Acid Potassium Salt

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

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

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Aquatic Chronic 3

Hazard Pictograms

Signal word

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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

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

R52

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

3. Component Composition/Information

Name: Potassium Permanganate 0,1 mol/l *(0,5N)

Formula: KMnO_4 M.= 158,04 CAS [7722-64-7]

EC number (EINECS): 231-760-3

Composition:**0001: Potassium Permanganate**

Formula: KMnO_4 M.= 158,04 CAS [7722-64-7]

EC number (EINECS): 231-760-3

EC index number: 025-002-00-9

REACH Registration Number: 01-2119480139-34-XXXX

Content: $\geq 1\%$ $\leq 2\%$

Classification Regulation (CE) n° 1272/2008.

Ox. Sol. 2

Acute Tox. 4

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms**Signal word**

Danger

Hazard statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220 Keep/Store away from clothing/combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
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.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P370+P378 In case of fire: Use for extinction.
P391 Collect spillage.

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

N Dangerous for the environment
Xn Harmful
O Oxidizing

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22 Harmful if swallowed.
R8 Contact with combustible material may cause fire.

4. First aid

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Go 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. Avoid vomiting. In the event of sickness, seek medical assistance. Stomach lavage.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

As appropriate to the environment.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

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

5.4 Protective equipment:

Suitable clothing and footwear. Self-contained breathing equipment.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Avoid contact with the skin, eyes or clothing. Do not inhale the fumes. Ensure adequate ventilation.

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.

7. Handling and storage

7.1 Handling:

Limited shelf-life.

7.2 Storage:

Well sealed containers. In a cool, dry, well ventilated place.

8. 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:

: 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 protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands 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: Dark violet

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: (20/4) 1,01
Solubility: Miscible with water
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Reducing agents.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

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

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat : 1.090 mg/kg referred to the pure substance

11.2 Dangerous effects for health:

Upon contact with the skin: irritations slight Through contact with the eyes: irritations slight Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Fish (C. auratus) LC50 3,6 mg/l/96h

Crustaceans (Daphnia magna) EC0 0,63 mg/l

Bactericide effect. Generally toxic for water organisms.

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 possible effects on the environment:

Dangerous for drinking water.

Do not allow it to enter soils or water channels.

Do not allow it to enter the sewage system.

DATA BASED on the components of the preparation.

13. 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.

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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. Information concerning transport

Overland (ADR):

Technical name: PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.

UN 3214 Class: 5.1 CONTAM. MAR. Packaging group: II (E)

By sea (IMDG):

Technical name: PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.

UN 3214 Class: 5.1 CONTAM. MAR. Packaging group: II

By air (ICAI-IATA):

Technical name: Permanganates, inorganic, aqueous solution, n.o.s.

UN 3214 Class: 5.1 CONTAM. MAR. Packaging group: II

Packaging instructions: CAO 554 PAX 550

15. Regulatory information

The substance is subject to Regulation (EC) No 273/2004 of the European Parliament and of the Council, of 11 February 2004 on drug precursors, Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors, Commission Regulation (EC) No 1277/2005 of 27 July 2005 laying down implementing rules for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and for Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.

16. Other information

Other precautionary statements

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

R-phrase(s): **R52** Harmful to aquatic organisms.

S-phrase(s):

Review number and date: 4 7.9.2011

Date published: 7.9.2011

In respect of the previous review, changes have been made to the following sections: 5, 8, 10, 12, 14

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.