

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



**4766 Mayer's Hematoxylin \*solution**

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

**1.1 Identification of the substance or preparation**

Name:

Mayer's Hematoxylin \*solution

**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 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](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) n° 1272/2008.**

Acute Tox. 4

**Hazard Pictograms**



**Signal word**

Warning

**Hazard statements**

H302 Harmful if swallowed.

**Precautionary statements**

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P330 Rinse mouth.

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

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

**Xn** Harmful

R22

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

**3. Component Composition/Information**

Name: Mayer's Hematoxylin \*solution

**Composition:****0001: Sodium Iodate**

Formula: NaIO3 M.= 197,89 CAS [7681-55-2]

EC number (EINECS): 231-672-5

**Content:** ≤ 0,1 %

**Classification Regulation (CE) n° 1272/2008.**

Ox. Sol. 2

**Hazard Pictograms****Signal word**

Danger

**Hazard statements**

H272 May intensify fire; oxidiser.

**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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 In case of fire: Use for extinction.

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

**O** Oxidizing

**R8** Contact with combustible material  
may cause fire.

**0002: Chloral Hydrate**

Formula:  $C_2H_3Cl_3O_2$  M.= 165,40 CAS [302-17-0]

EC number (EINECS): 206-117-5

EC index number: 605-014-00-6

**Content:**  $\geq 4 \%$   $\leq 5 \%$

**Classification Regulation (CE) n° 1272/2008.**

Acute Tox. 3

Eye Irrit. 2

Skin Irrit. 2

**Hazard Pictograms**



**Signal word**

Danger

**Hazard statements**

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

**Precautionary statements**

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or  
doctor/physician.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P405 Store locked up.

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

**T** Toxic

**R36/38** Irritating to eyes and skin.

**R25** Toxic if swallowed.

## **4. First aid**

### **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.

### **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.

### **4.5 Swallowing:**

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

## **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.

### **5.4 Protective equipment:**

Suitable clothing and footwear.

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

### **6.1 Individual precautions:**

No special indications.

### **6.2 Precautions for care of the environment:**

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:**

No special indications.

### **7.2 Storage:**

Well sealed containers. Dry atmosphere. Room temperature.

## **8. Staff exposure/protection controls**

**8.1 Technical protective measures:**

No special indications.

**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. 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: Deep-red

Granulometry: N/A

Odour: Characteristic.

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:

N/A

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:**

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

**10.2 Matter which should be avoided:**

No specific data.

**10.3 Hazardous decomposition products:**

No specific data.

**10.4 Complementary information:**

No specific data.

**11. Toxicological information****11.1 Acute toxicity:**

LD50 oral rat : 479 mg/kg (refers to the component with the highest toxicity)

LD50 skin rat : 3.030 mg/kg

**11.2 Dangerous effects for health:**

Upon contact with the skin: Can cause irritations Through contact with the eyes: Can cause irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. If it is absorbed in large quantities: arrhythmia effects on the central nervous system hepatic problems kidney problems 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):

12.1.2. - Receptor medium:

Risk for the water environment

Risk for the land environment

12.1.3. - Observations:

Ecotoxic data not available.

**12.2 Persistence and Degradability :**

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Data not available.

**12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk = ---

12.3.3. - Observations:

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:**

Environmental risks cannot be excluded if used and/or disposed of inappropriately.

## **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**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## **16. Other information**

### **Other precautionary statements**

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

R-pharse(s):     **R22** Harmful if swallowed.

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

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.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

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