

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



**2660 Hydrogen Peroxide 6% w/v \*(20 vol.) stabilized**

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

**1.1 Identification of the substance or preparation**

Name:

Hydrogen Peroxide 6% w/v \*(20 vol.) stabilized

**Synonym:**

Hydrogen Dioxide, Hydroperoxide

**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

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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)

Tel.: (+34) 937 489 499

**2. Identification of dangers**

Classification of the substance or the mixture.

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

Eye Irrit. 2

**Hazard Pictograms**



**Signal word**

Warning

### **Hazard statements**

H319 Causes serious eye irritation.

### **Precautionary statements**

P264 Wash...thoroughly after handling.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

**Xi** Irritant

R36

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

## **3. Component Composition/Information**

Aqueous solution

Name: Hydrogen Peroxide 6% w/v \*(20 vol.) stabilized

Formula:  $\text{H}_2\text{O}_2$  M.= 34,01 CAS [7722-84-1]

EC number (EINECS): 231-765-0

EC index number: 008-003-00-9

## **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. In the event sickness persists, seek medical assistance.

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

Wash with plenty of water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

### **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 (there is a risk of perforation). Seek medical assistance.

## **5. Fire-fighting means**

### **5.1 Suitable fire-extinguishing means:**

Water.

### **5.2 Fire-fighting means which must NOT be used:**

Carbon dioxide ( $\text{CO}_2$ ). Dry powder. Foam.

### **5.3 Special risks:**

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

### **5.4 Protective equipment:**

Suitable clothing and footwear.

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

### **6.1 Individual precautions:**

Do not inhale the fumes.

### **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:**

No special indications.

### **7.2 Storage:**

Well sealed containers. Keep away from flammable substances, sources of ignition and heat. Away from light. Room temperature. Store in containers which close to permit the pressure inside to be released (e.g.: fitted with a safety valve).

## **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:**

VLA-ED: 1,4 mg/m<sup>3</sup>

### **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: Colourless  
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: (20/4) 1,02  
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:

Alcohols. Aldehydes. Ethers. Acids. Anhydrides. Amines. Ammonia. Hydrazine and derivatives. Alkali-earth metals. Alkaline metals. Alkaline salts. Alkaline hydroxides. Metals and metal alloys. Metals (powder). Metal oxides. Metallic salts. Non-metals. Non-metal oxides. Hydrides. Flammable substances. Oxidant agents. Organic compounds. Peroxides. Impurities/dust. KMnO<sub>4</sub>. Organic solvents. Nitrogen organic compounds.

### 10.3 Hazardous decomposition products:

No specific data.

### 10.4 Complementary information:

Light-sensitive.

## 11. Toxicological information

### 11.1 Acute toxicity:

LD<sub>50</sub> oral rat : 2.000 mg/kg sol 90%  
LD<sub>50</sub> skin rat : 4.060 mg/kg K<sub>2</sub>CrO<sub>4</sub>  
LC<sub>50</sub> inh rat : 2000 mg/m<sup>3</sup> 4h

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

If fumes inhaled: Irritations to the respiratory tracts. Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: irritations Can cause nausea vomiting If it is absorbed in large quantities: Can cause perforation in the oesophagus and stomach. There are no definite objective conclusions regarding the carcinogenic effect of this substance.

## **12. Environmental information**

### **12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

Fish (Leuciscus Idus) 35 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Medium

12.1.3. - Observations:

Acute ecotoxicity in the dumping area.

### **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:

### **12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

### **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:**

No interferences are to be anticipated in treatment plants if use correctly.

## **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-phrases(s):	<b>R36</b> Irritating to eyes.
S-phrases(s):	<b>S36/37/39</b> Wear suitable protective clothing, gloves and eye/face protection. <b>S28a</b> After contact with skin, wash immediately with plenty of water. <b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. <b>S17</b> Keep away from combustible material. <b>S45</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Review number and date: 4 15.09.2011

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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.

