

Safety Data Sheet

According to Regulation (EC) 1907/2006



1049 Picric Acid saturated solution

## Identification of the substance/preparation and of the company or firm

### 1.1 Identification of the substance or preparation

Name:

Picric Acid saturated 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

# Identification of dangers

Classification of the substance or the mixture.

**No hazardous mixture as specified in Regulation (CE) 1272/2008.**

**No hazardous mixture as specified in Classification (67/548/CEE or 1999/45/CE).**

# Component Composition/Information

Aqueous solution

Name: Picric Acid saturated solution

Formula:  $C_6H_3N_3O_7$  M.= 229,11 CAS [88-89-1]

EC number (EINECS): 201-865-9

# 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. Take the product out with cotton wool soaked in polyethylene-glycol 400.

## 4.4 Eyes:

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

## 4.5 Swallowing:

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

# Fire-fighting means

## 5.1 Suitable fire-extinguishing means:

Water. Foam. Carbon dioxide (CO<sub>2</sub>).

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

No specific data.

## 5.3 Special risks:

In case of heating to a high temperature: Combustible. In the event of fire, toxic fumes may form: NO<sub>x</sub>. Risk of explosion in the event of decomposition.

**5.4 Protective equipment:**

Suitable clothing and footwear.

## 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 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.

## Handling and storage

**7.1 Handling:**

No special indications.

**7.2 Storage:**

Well sealed containers. Atmospheric temperature. Restricted access, only authorized to technicians.

## Staff exposure/protection controls

**8.1 Technical protective measures:**

No special indications.

**8.2 Exposure limit control:**

VLA-ED: 0,1 mg/m<sup>3</sup>

**8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter A. Filter P3.

**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.

## Physical and chemical properties

Appearance: liquid

Colour: Yellow

Granulometry: N/A

Odour: Odourless.

pH: 1,4

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) 1,00

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Viscosity: N/A

## Stability and reactivity

**10.1 Conditions which should be avoided:**

High temperatures.

**10.2 Matter which should be avoided:**

Impurities/dust. Aluminium. Fluorine. Alkali-earth metals. (There is a risk of explosion).

**10.3 Hazardous decomposition products:**

Carbon monoxide. Nitrous fumes.

**10.4 Complementary information:**

Explosive when dry.

## Toxicological information

- **Acute toxicity:**

LD L0 oral guinea pig : 100 mg/kg

LD L0 oral rbt : 120 mg/kg

LD50 ipr mus : 56,3 mg/kg

- **Dangerous effects for health:**

Upon contact with the skin: Risk of cutaneous absorption. irritations Risk of dermatitis Through contact with the eyes: irritations If inhaled: irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. If swallowed in large quantities: nausea vomiting stomach pains Systemic effects: blood alterations hepatic problems kidney problems Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## Environmental information

**12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

(For anhydrous subs.)

Hydrological organisms. 287 mg/l

Classification:

Highly toxic

Crustaceans (Daphnia magna) 112 mg/l

Classification:

Highly toxic

Bacteria (Photobacterium phosphoreum) 535 mg/l

Classification:

Highly toxic

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

High

12.1.3. - Observations:

**12.2 Persistence and Degradability :**

12.2.1 - Test:

COD = 0,92 g/g

12.2.2. - Biotic degradation classification:

ThOD 0,98 mg/l

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 :**

Repartition: log P(oct)= 2,03

**12.5 Assessment PBT and MPMB :**

Data not available.

**12.6 Other possible effects on the environment:**

Water-pollutant product.

## 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.

### 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.

## Information concerning transport

Not classified as dangerous in the meaning of transport regulations.

## Regulatory information

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

## Other information

Review number and date: 4 15.09.2011

Date published: 15.09.2011

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.