



## 6333 Multielement standard solution 100 mg/l (24)

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

#### 1.1 Identification of the substance or preparation

Name:

Multielement standard solution 100 mg/l (24)

**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.

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

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

### 3. Component Composition/Information

Name: Multielement standard solution 100 mg/l (24)

## Composition:

### 0001: Nitric Acid 65%

Formula: HNO<sub>3</sub> M.= 63,01 CAS [7697-37-2]  
EC number (EINECS): 231-714-2  
EC index number: 007-004-00-1  
REACH Registration Number: 01-2119487297-23-XXXX

**Content:** >= 1 % <= 3 %

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

Skin Corr. 1A

### Hazard Pictograms



### Signal word

Danger

### Hazard statements

H314 Causes severe skin burns and eye damage.

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash...thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P321 Specific treatment (see on this label).  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

C Corrosive

R35 Causes severe burns.

## 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 soap and 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. Seek medical assistance.

#### **4.5 Swallowing:**

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

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

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

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

#### **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: Do not allow extinguishing water into surface or underground water courses.

#### **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. Ensure adequate ventilation. 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. Neutralize with diluted sodium hydroxide.

### **7. Handling and storage**

#### **7.1 Handling:**

Ensure good ventilation and renewal of the air in the premises.

#### **7.2 Storage:**

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

### **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-EC(HNO<sub>3</sub>): 4 ppm - 10 mg/m<sup>3</sup>

VLA-ED(HNO<sub>3</sub>): 2 ppm - 5,2 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter NO.

### **8.4 Hand protection:**

Use suitable gloves neopren latex

### **8.5 Eye protection:**

Use suitable goggles.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Use suitable work clothing. Do not eat, drink or smoke in the workplace. Do not inhale the substance.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

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

Appearance: liquid

Colour: Blue

Granulometry: N/A

Odour: Odourless.

pH: 1

Melting point/freezing point: 0 °C

Initial boiling point and boiling range: 100 °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: (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:**

High temperatures.

**10.2 Matter which should be avoided:**

Metals and metal alloys. Alkaline hydroxides.

**10.3 Hazardous decomposition products:**

Nitrogen oxides.

**10.4 Complementary information:**

No specific data.

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

: Data not available.

**11.2 Dangerous effects for health:**

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products. (Zn): Inhaling large quantities of metal fumes can cause fever. Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. (HNO<sub>3</sub>): If it is absorbed in large quantities: metahemoglobinemia with headaches Taking the preparation' components into account, the likely dangerous characteristics are as follows: If inhaled: Irritations to the mucosae coughing breathing difficulties

**12. Environmental information****12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

Fish (Leuciscus Idus) LC50 21 mg/l (ZnCl<sub>2</sub>)

Classification: Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

Risk for the land environment

12.1.3. - Observations:

Bactericide effect. Generally toxic for water organisms.

The ecotoxicity is due to the pH deviation.

**12.2 Persistence and Degradability :**

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD<sub>5</sub>/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:**

Do not allow it to enter soils or water channels.

Do not allow it to enter the sewage system.

Product hardly pollutant for water.

Dangerous for drinking water.

Encourages eotrophy in rivers and water channels.

Bactericide effect.

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: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

UN 3264 Class: 8 Packaging group: II (E)

By sea (IMDG):

Technical name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

UN 3264 Class: 8 Packaging group: II

By air (ICAI-IATA):

Technical name: Corrosive liquid, acidic, inorganic, n.o.s.

UN 3264 Class: 8 Packaging group: II

Packaging instructions: CAO 855 PAX 851

## **15. Regulatory information**

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

## **16. Other information**

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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