

Safety Data Sheet

According to Regulation (EC) 1907/2006



1158 Antimony(III) Oxide

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

### 1.1 Identification of the substance or preparation

Name:

Antimony(III) Oxide

**Synonym:**

di-Antimony tri-Oxide

**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.

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

Carc. 2

#### Hazard Pictograms



#### Signal word

Warning

#### Hazard statements

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

#### Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P308+P313 IF exposed or concerned: Get medical advice/attention.

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).**

Xn HarmfulR40

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

## Component Composition/Information

Name: Antimony(III) Oxide

Formula: Sb<sub>2</sub>O<sub>3</sub> M.= 291,50 CAS [1309-64-4]

EC number (EINECS): 215-175-0

EC index number: 051-005-00-X

## 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 of suffocation, proceed to provide artificial respiration. 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, keeping eyelids open. In the event of irritation, seek medical assistance.

**4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Seek medical assistance. Laxatives: sodium sulphate (1 soup-spoonful in 250 ml of water).

## 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.

## Measures to be taken in the event of accidental spillage

**6.1 Individual precautions:**

Do not inhale the dust. Avoid contact with the skin, eyes or clothing.

**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 dry 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. Dry atmosphere. Atmospheric temperature. Away from light. Restricted access, only authorized to technicians.

# Staff exposure/protection controls

## 8.1 Technical protective measures:

Avoid exposure during handling and transfer.

## 8.2 Exposure limit control:

TLV-TWA: 0,5 mg/m<sup>3</sup>

VLA-ED: 0,5 mg/m<sup>3</sup>

## 8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter P.

## 8.4 Hand protection:

Use suitable gloves

## 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 complete protective equipment.

## 8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

# Physical and chemical properties

Appearance: solid

Colour: Yellow to greenish

Granulometry: N/A

Odour: Odourless.

pH:

N/A

Melting point/freezing point: 656 °C

Initial boiling point and boiling range: 1.425 °C

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 1,3 hPa (574 °C)

Vapour density: N/A

Relative density:

N/A

Solubility: in Insoluble in 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:

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

### 10.2 Matter which should be avoided:

Halogen halides. Powdered aluminium. Perchloric acid.

### 10.3 Hazardous decomposition products:

No specific data.

### 10.4 Complementary information:

No specific data.

## Toxicological information

- **Acute toxicity:**

LD L0 skn rbt : 2,5 mg/kg

LC L0 inh rat : 4,2 mg/m<sup>3</sup>

LD50 ipr mus : 172 mg/kg

LD50 ipr rat : 3.250 mg/kg

- **Dangerous effects for health:**

If inhaled: Irritations to the mucosae coughing breathing difficulties If swallowed: intestinal disorders vomiting Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Upon contact with the skin: irritations Through contact with the eyes: irritations Can cause hepatic problems kidney problems muscular disorders hypotension dermatitis breathing difficulties arrhythmia 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):

Fish (P. promelas) EC0 80 mg/l

Classification: Extr. toxic

Water organisms 10 mg/l

Classification:

Extr. 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:

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 = High

12.3.3. - Observations:

Very bioaccumulable product.

### **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:**

High pollutant product.

Do not allow it to enter soils or water channels.

## 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

Overland (ADR):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

UN 3077 Class: 9 CONTAM. MAR Packaging group: III (E)

By sea (IMDG):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

UN 3077 Class: 9 CONTAM. MAR Packaging group: III

By air (ICAI-IATA):

Technical name: Environmentally hazardous substance, solid, n.o.s

UN 3077 Class: 9 CONTAM. MAR Packaging group: III

Packaging instructions: CAO 956 PAX 956

# Regulatory information

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

## Other information

### Other precautionary statements

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

R-phrase(s):	<b>R40</b> Limited evidence of a carcinogenic effect.
S-phrase(s):	<b>S36/37</b> Wear suitable protective clothing and gloves. <b>S22</b> Do not breathe dust.

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.