



## 1761 Malachite Oxalate Green \*(C.I.42000)

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

#### 1.1 Identification of the substance or preparation

Name:

Malachite Oxalate Green \*(C.I.42000)

#### Synonym:

Basic Green 4, N,N,N#,N#-Tetramethyl-4,4#-Diaminotriphenylcarbenio Oxalate

**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.

Eye Dam. 1

Repr. 2

Aquatic Acute 1

Aquatic Chronic 1

Acute Tox. 4

## Hazard Pictograms



## Signal word

Danger

## Hazard statements

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

## Precautionary statements

P201 Obtain special instructions before use.

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

P264 Wash...thoroughly after handling.

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

P273 Avoid release to the environment.

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

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

**N** Dangerous for the environment

R22

**Xn** Harmful

R50/53

R63

R41

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

## 3. Component Composition/Information

Name: Malachite Oxalate Green \*(C.I.42000)

Formula:  $C_5H_5N_4O_{12}$  M.= 927,02 CAS [2437-29-8]

EC number (EINECS): 219-441-7

EC index number: 607-007-00-3

## 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, keeping eyelids open. In the event of irritation, 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>). Dry powder. Foam.

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

No specific data.

#### **5.3 Special risks:**

Combustible.

#### **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:**

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.

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

#### **7.1 Handling:**

No special indications.

#### **7.2 Storage:**

Well sealed containers. Away from sources of ignition and heat.

### **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:**

If dust forms, use suitable respiratory protection.

#### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye protection:**

Use suitable goggles.

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

Use suitable work clothing. Remove contaminated clothing. Wash hands 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: solid

Colour:

N/A

Granulometry: N/A

Odour: Characteristic.

pH: 2,4 (10 g/l sol.)

Melting point/freezing point: ~159 °C

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: 400 g/l in water<sub>20 °C</sub> 500 g/l in alcohol

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:**

No specific data.

### **10.3 Hazardous decomposition products:**

No specific data.

### **10.4 Complementary information:**

Risk of explosion of dust.

## **11. Toxicological information**

**11.1 Acute toxicity:**

LD50 oral mus : 50 mg/kg

LD50 oral rat : 275 mg/kg

**11.2 Dangerous effects for health:**

If dust inhaled: Irritations to the respiratory tracts. Through contact with the eyes: irritations Upon contact with the skin: irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. 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):

Bacteria

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:**

Do not allow it to enter soils or water channels.

**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: TOXIC SOLID, ORGANIC, N.O.S.

UN 2811 Class: 6.1 PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: TOXIC SOLID, ORGANIC, N.O.S.

UN 2811 Class: 6.1 PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Toxic solid, organic, n.o.s.

UN 2811 Class: 6.1 PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 677 PAX 670

## **15. Regulatory information**

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

## **16. Other information**

### **Other precautionary statements**

P281 Use personal protective equipment as required.

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

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

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

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

P310 Immediately call a POISON CENTER or doctor/physician.

P330 Rinse mouth.

P391 Collect spillage.

P405 Store locked up.

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

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

R-phrase(s): **R22** Harmful if swallowed.  
**R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**R63** Possible risk of harm to the unborn child.  
**R41** Risk of serious damage to eyes.

S-phrase(s): **S46** If swallowed, seek medical advice immediately and show this container or label.  
**S39** Wear eye/face protection.  
**S36/37** Wear suitable protective clothing and gloves.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**S60** This material and its container must be disposed of as hazardous waste.  
**S61** Avoid release to the environment. Refer to special instructions/safety data sheets.

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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.