



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006
and (EU) 453/2010

2532 Crystal Violet Oxalate solution according to Gram-Hucker

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Crystal Violet Oxalate solution according to Gram-Hucker

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 Relevant identified uses of the substance or mixture:

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

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Flam. Liq. 3
Acute Toxicity Oral cat. 4
Carc. 2
Aquatic Chronic 3
Eye Irrit. 2

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

R10
R22
R40
R52/53
R36

2.2 Label elements:

Hazard Pictograms



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H351 Suspected of causing cancer.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

Hydroalcoholic solution

Name: Crystal Violet Oxalate solution according to Gram-Hucker

COMPOSITION:

0001: di-Ammonium Oxalate 1-hydrate

Formula: $(\text{NH}_4)_2(\text{COO})_2 \cdot \text{H}_2\text{O}$ M.= 142,11 CAS [6009-70-7]

EC number (EINECS): 214-202-3

EC index number: 607-007-00-3

Content: $\geq 0,1 \%$ $\leq 1 \%$

Classification Regulation (CE) n° 1272/2008.

Acute Tox. 4

Acute Tox. 4

Hazard Pictograms



Signal word

Warning

Hazard statements

H312 Harmful in contact with skin.

H302 Harmful if swallowed.

Precautionary statements

P264 Wash...thoroughly after handling.

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

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

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

P322 Specific measures (see on this label).

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

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

Xn Harmful

R21/22 Harmful in contact with skin and if swallowed.

0002: Crystal Violet (C.I. 42555)

Formula: $\text{C}_{25}\text{H}_{30}\text{ClN}_3$ M.= 407,99 CAS [548-62-9]

EC number (EINECS): 208-953-6

Content: $\geq 1 \%$ $\leq 2 \%$

Classification Regulation (CE) nº 1272/2008.

Acute Tox. 4
Carc. 2
Eye Dam. 1
Aquatic Acute 1
Aquatic Chronic 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
H351 Suspected of causing cancer.
H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

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 or face protection.
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.
P330 Rinse mouth.
P391 Collect spillage.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

Xn Harmful
N Dangerous for the environment

RE22 Also harmful if swallowed.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

0003: Ethanol absolute

Formula: CH₃CH₂OH M.= 46,07 CAS [64-17-5]
EC number (EINECS): 200-578-6
EC index number: 603-002-00-5
REACH Registration Number: 01-2119457610-43-XXXX

Content: >= 5 % <= 20 %

Classification Regulation (CE) n° 1272/2008.

Flam. Liq. 2

Hazard Pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

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

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

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

F Highly flammable **R11** Highly flammable.

4. First aid measures

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.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Call for medical help.

5. Firefighting measures

5.1 Suitable extinguishing media:

As appropriate to the environment.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

In the event of fire, toxic fumes may form. Auf Rückzündung achten

5.4 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the fumes.

6.2 Environmental precautions:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

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 Precautions for safe handling:

No special indications.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. In well ventilated premises.

Recommended storage temperature: Room temperature.

8. Exposure controls/personal protection

8.1 Exposure controls:

No special indications.

8.2 Control parameters:

VLA-ED(ethanol): 1.910 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter A3.

8.4 Hand protection:

Use suitable gloves neopren nitrile Use suitable gloves (PVC)

8.5 Eye/face protection:

Use safety glasses.

8.6 Individual hygiene measures:

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: N/A

Colour:

N/A

Granulometry: N/A

Odour: Ethanolic.

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:

Insertar Aquí Grupo de repetición

(20/4) 0,98 g/ml

Solubility: in () Miscible with water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

10. Stability and reactivity

10.1 Conditions to avoid:

High temperatures.

10.2 Incompatible materials:

Strong oxidant agents. Alkaline metals. Alkaline oxides. Aluminium. Aldehydes. Halogens. Nitrites. Nitrates. Salts of oxyhalogenic acids. Peroxides. Hydrogen peroxide.

10.3 Hazardous decomposition products:

No specific data.

10.4 Chemical stability:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

: Data not available.

11.2 Dangerous effects for health:

No specific data on this preparation known with regard to effects of overdose in humans. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

Ecotoxic data not available.

12.2 Persistence and Degradability :

Data not available.

12.3 Bioaccumulative potential:

Data not available.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Do not allow it to enter soils or water channels.

13. Disposal considerations

13.1 Waste treatment methods:

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.

14. Transport information

Overland (ADR):

Technical name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

UN 1170 Class: 3 Packaging group: III (D/E)

By sea (IMDG):

Technical name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

UN 1170 Class: 3 Packaging group: III

By air (ICAI-IATA):

Technical name: Ethanol solution

UN 1170 Class: 3 Packaging group: III

Packaging instructions: CAO 366 PAX 355

15. Regulatory information

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

16. Other information

Other precautionary statements

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash...thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P281 Use personal protective equipment as required.

P264 Wash...thoroughly after handling.

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

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

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

P370+P378 **In case of fire: Use for extinction: CO₂, powder or water spray.**

P330 Rinse mouth.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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

R-phrase(s): **R10** Flammable.
R22 Harmful if swallowed.
R40 Limited evidence of a carcinogenic effect.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36 Irritating to eyes.

S-phrase(s): **S60** This material and its container must be disposed of as hazardous waste.
S46 If swallowed, seek medical advice immediately and show this container or label.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Version and revision date : 5 01.12.2015

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In respect of the previous review, changes have been made to the following sections: 2,14

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.