

Safety Data Sheet
According to Regulation (EC) 1907/2006



1768 Eosin-Methylene Blue solution according to Wright

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

1.1 Identification of the substance or preparation

Name:

Eosin-Methylene Blue solution according to Wright

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

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.

Flam. Liq. 2

Acute Tox. 3

Acute Tox. 3

Acute Tox. 3

STOT SE 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H331 Toxic if inhaled.

H311 Toxic in contact with skin.

H301 Toxic if swallowed.

H370 Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. 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.

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

T Toxic

R39/23/24/25

F Highly flammable

R23/24/25

R11

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

3. Component Composition/Information

Dyestuff solution

Name: Eosin-Methylene Blue solution according to Wright

Composition:

0001: Methanol

Formula: CH₃OH M.= 32,04 CAS [67-56-1]

EC number (EINECS): 200-659-6

EC index number: 603-001-00-X

REACH Registration Number: 01-2119433307-44-XXXX

Content: >= 20 %

Classification Regulation (CE) nº 1272/2008.

Flam. Liq. 2
Acute Tox. 3
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STOT SE 1

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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.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash...thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
P311 Call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment (see on this label).
P322 Specific measures (see on this label).
P330 Rinse mouth.
P361 Remove/Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use for extinction.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

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

F Highly flammable
T Toxic

R11 Highly flammable.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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 of suffocation, proceed immediately to provide artificial respiration. Seek immediate 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. Seek medical assistance.

4.5 Swallowing:

Take the person out into the fresh air. Induce vomiting. Drink ethyl alcohol (25 ml at 50%). Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Carbon dioxide (CO₂). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air. Risk of inflammation due to accumulation of electrostatic charges. In the event of fire, toxic fumes may form.

5.4 Protective equipment:

Suitable clothing and footwear.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

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.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat. Room temperature. Restricted access, only authorized to technicians. Do not store in light-metal containers. Do not store in plastic containers.

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

VLA-EC(methanol): 333 mg/m³

VLA-EC(methanol): 250 ppm

VLA-ED(methanol): 200 ppm - 266 mg/m³ dermal resorption

8.3 Respiratory protection:

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

8.4 Hand protection:

Use suitable gloves neopren PVC nitrile

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work 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: liquid

Colour:

N/A

Granulometry: N/A

Odour: Methanolic.

pH:

N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range: ~65 °C

Flash point: ~ 12 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 31 %(V) / 5,5 %(V)

Vapour pressure: N/A

Vapour density: N/A

Relative density: (20/4) 0,79

Solubility: Miscible with alcohol

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: ~455 °C

Decomposition temperature: N/A

Viscosity: N/A

10. 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:

Acid halides. Alkaline metals. Alkali-earth metals. Oxidant agents (amongst others: perchloric acid, perchlorates, halogenates, CrO₃, halogen oxides, nitric acid, nitrogen oxides, non-metal oxides, chromo-sulphuric acid). Hydrides. Zinc diethyl. Halogens.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

Hygroscopic. The gases/fumes can form explosive mixtures with the air.

11. Toxicological information

11.1 Acute toxicity:

LD L0 oral man : 340 mg/kg

11.2 Dangerous effects for health:

Taking the preparation' components into account, the likely dangerous characteristics are as follows: If fumes inhaled: Irritations to the respiratory tracts. Upon contact with the skin: Risk of cutaneous absorption. Through contact with the eyes: irritations Due to absorption: nausea vomiting headaches vertigo intoxication sight disorders blindness (irreversible injury of the optic nerve) Systemic effects: acidosis hypotension anxiety spasms narcosis coma

12. Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) 284400 mg/l

Classification:

Toxic

Fish (Leuciscus Idus) >10000 mg/l

Classification:

Toxic

Fish (Salmo gairdneri) 8000 mg/l

Classification:

Very toxic

12.1.2. - Receptor medium:

12.1.3. - Observations:

12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD₅ 1,12 g/g

BOD₅/COD

Biodegradability

DOC 1,50 g/g

12.2.3. - Abiotic degradation depending on pH:

ThOD 1,5 g/g

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: $\log P(\text{oct}) = -0,82$

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other possible effects on the environment:

Environmental risks cannot be excluded if used and/or disposed of inappropriately.

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: FLAMMABLE LIQUID, TOXIC, N.O.S.

UN 1992 Class: 3 6.1 Packaging group: II (D/E)

By sea (IMDG):

Technical name: FLAMMABLE LIQUID, TOXIC, N.O.S.

UN 1992 Class: 3 6.1 Packaging group: II

By air (ICAI-IATA):

Technical name: Flammable liquid, toxic, n.o.s.

UN 1992 Class: 3 6.1 Packaging group: II

Packaging instructions: CAO 364 PAX 352

15. Regulatory information

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

16. Other information

Other precautionary statements

P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash...thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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Labelling (65/548/CEE or 1999/45/CE)

R-phrases:	R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R11 Highly flammable.
S-phrases:	S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S36/37 Wear suitable protective clothing and gloves. S16 Keep away from sources of ignition - No smoking. S7 Keep container tightly closed.

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.

