
MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: Methylene Blue Hydrate
C.I. 52015 Basic Blue 9
CAS number: 122965-43-9
EINECS number: 200-515-2
Brand: Solmedia
Product code: DYE209

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: PC21: Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Solmedia Ltd.
Address of Supplier: Unit 2, Vernon Drive
Battlefield Enterprise Park
Shrewsbury
SY1 3TF
UK
Telephone: 0844 80 80 900
Email: labsupplies@solmedialtd.com

1.4 Emergency telephone number

Emergency Phone: +44 (0)844 80 80 900

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP:
Acute Tox. 4: H302

Most important adverse effects:
Harmful if swallowed.

2.2 Label elements

Label elements under CLP:
Hazard statements: H302: Harmful if swallowed.
Signal words: Warning
Hazard pictograms: GHS07: Exclamation mark

**Precautionary statements:**

P264: Wash skin thoroughly after handling.

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

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330: Rinse mouth.

P501: Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Chemical identity:	Methylene Blue C.I. 52015 Stain Commission Certified
Chemical identity:	Methylthioninium chloride hydrate
CAS number:	122965-43-9
EINECS number:	200-515-2
Contains:	Molecular Formula: C ₁₆ H ₁₈ ClN ₃ S.xH ₂ O
	Molecular weight: 319.85 g/mol

SECTION 4: First aid measures**4.1 Description of first aid measures**

Skin contact:	Wash immediately with plenty of soap and water. Consult a doctor.
Eye contact:	Bathe the eye with running water for 15 minutes.
Ingestion:	Never give anything by mouth to an unconscious person. Wash out mouth with water. Consult a doctor.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Inhalation:	No data available.
Delayed / immediate effects:	No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Not applicable.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to section 13 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Not applicable.

7.3 Specific end use(s)

No special requirement.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

DNEL / PNEC No data available.

8.2 Exposure controls

Engineering measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory protection:

Self-contained breathing apparatus must be available in case of emergency.

Hand protection:

Nitrile gloves. Rubber gloves. Protective gloves. Breakthrough time of the glove material > 8 hours.

Eye protection:

Safety glasses with side-shields.

Skin protection:

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environmental:

Do not let product enter drains

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State: Powder

Colour: Dark green

9.2 Other safety information

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid**10.5 Incompatible materials**

Strong oxidising agents.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. -
Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Relevant hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Based on test data

Symptoms / routes of exposure

Skin contact: No data available.

Eye contact: No data available.

Ingestion:	No data available.
Inhalation:	No data available.
Delayed / immediate effects:	No data available.
Other information:	Not applicable.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste.
Handle uncleaned containers like the product itself.

Recovery operations: Not applicable.

Disposal of packaging: Dispose of as unused product.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Other information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

H302: Harmful if swallowed.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.