SDS · SAFETY DATA SHEET (GHS / REACH)

Methylene Blue Water-Soluble Dye 10 g

Article: VG17090823 · **INCI:** Methylene Blue (CI 52015)
Document No. SDS-89440-EN-2611 · **Revision:** 11.2026

Product page

1 Identification of the substance/mixture and of the company

Trade name	Methylene Blue Water-Soluble Dye 10 g
Article	VG17090823
INCI	Methylene Blue (CI 52015)
Recommended use	technical coloring of aqueous solutions, decor and crafts, laboratory use, aquarium use as instructed
Uses advised against	Not for food or cosmetic use. Keep out of reach of children.
Supplier	**Mylo-Opt** 1st Pishchanyi Lane, 1, Kremenchuk, Poltava region, Ukraine +38 (063) 690-06-72 · mysoapoptom@gmail.com мыло-опт.com.ua
Emergency telephone	+38 (063) 690-06-72 (Mon–Fri, 8:00–17:00)

2 Hazards identification

Classification (CLP/GHS)	Acute Tox. 4, H302.
Label elements	See “Other hazards”.
Other hazards	Acute Tox. 4, H302 – harmful if swallowed. Signal word: Warning. P264, P270, P301+P312, P330, P501.

3 Composition / information on ingredients

Mixture. Components are not classified as hazardous at the stated concentrations unless otherwise stated in section 2.

Component	CAS	EC	Content, %
Methylene Blue (CI 52015)	61-73-4	200-515-2	≥ 95

4 First aid measures

Inhalation	Move to fresh air. Seek medical advice if breathing difficulties occur.

Skin	Wash off with water and a mild cleanser.
Eyes	Do not rub. Rinse with plenty of water for 10–15 min. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
Most important symptoms	Mechanical eye irritation, coughing on dust inhalation.

5 Firefighting measures

Flammability	Organic dust may be combustible at high airborne concentration.
Extinguishing media	Water spray, foam, dry powder, CO_2 – appropriate to surrounding fire.
Hazardous combustion products	On combustion – carbon oxides (CO, CO_2), possibly nitrogen and sulfur oxides.
Firefighter equipment	Self-contained breathing apparatus and protective clothing.

6 Accidental release measures

Personal precautions	Avoid dust formation and inhalation. Use protective equipment (section 8).
Environmental precautions	Do not allow to enter drains or water bodies.
Clean-up methods	Collect mechanically (vacuum with filter or damp wiping) and place in a closed container for disposal.

7 Handling and storage

Safe handling	Avoid dust formation. Ensure ventilation. Do not eat or drink while working. Wash hands after handling.
Storage conditions	in a dry place, in a tightly closed container, protected from direct sunlight, at +5...+30 °C
Incompatible materials	Strong oxidizers.

8 Exposure controls / personal protection

Occupational exposure limits	Nuisance dust: 10 mg/m³ (inhalable), 3 mg/m³ (respirable).
Engineering controls	General and local exhaust ventilation.
Respiratory protection	FFP2 dust mask where dust is generated.
Eye protection	Safety glasses with side shields.

Hand protection	Nitrile gloves.

9 Physical and chemical properties

Physical state / appearance	Powder
Color	blue
Odor	odorless
Particle size	100-180 µm
pH	6–9 (1 % solution)
Melting point	> 250 °C (decomposition)
Density	1.4–1.8 g/cm³
Bulk density	0.4–0.8 g/cm³
Solubility	water
Flash point	not applicable / > 100 °C
Explosive properties	none

10 Stability and reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Moisture, direct sunlight, heating.
Hazardous decomposition	On combustion – carbon oxides (CO, CO_2), possibly nitrogen and sulfur oxides.

11 Toxicological information

Harmful if swallowed: LD50 oral (rat) ≈ 1180 mg/kg. May cause eye irritation. Strongly stains skin and mucous membranes.

12 Ecological information

Harmful to aquatic life with long lasting effects (Aquatic Chronic 3, H412 – possible classification). Do not allow to enter water bodies.

13 Disposal considerations

Product	Dispose of in accordance with local regulations; do not discharge large quantities into drains.

Packaging	Dispose of or recycle empty packaging.

14 Transport information

UN number	Not applicable
ADR / RID / IMDG / IATA	Not regulated as dangerous goods.
Special precautions	None required.

15 Regulatory information

Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP). Not a food additive and not a listed cosmetic colorant; intended for technical use.

16 Other information

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Note	The information reflects current knowledge and relates only to the product specified. It does not constitute a guarantee of properties for any specific application.