



Specialized in chemicals

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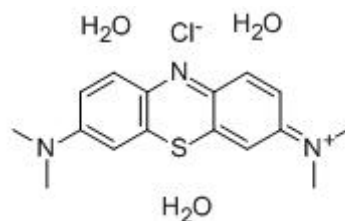
Site: www.tnjchem.com

Technical Data Sheet

Methylene blue

Product Information

Chemical Name	Methylene Blue
CAS #	7220-79-3
Formula	C ₁₆ H ₂₄ ClN ₃ O ₃ S
Molecular Weight	373.9
Synonyms	Basic blue 9, Methylene Blue trihydrate
Chemical Structure	



Description

At room temperature, Methylene Blue is solid, odorless, dark green powder. It is blue solution when dissolved in water.

Physical Properties

Melting point	190 °C
Water solution	40 g/L
Density	0.98 g/mL at 25°C
Flash point	14°C

Specification

Items	Tech grade	Items	Pharma grade
Appearance	Brownish red powder	Appearance	Dark green acicular crystal
Strength, %	100 ± 2	Content%	98.5 Min
Shade	Similar to standard	Color range	Confirm

Content water,%	10 Max	Ethanol dissolve experiment	Confirm
Insolubles,%	0.2 Max	Loss on drying%	18 Max
---	---	Residue on ignition	0.5 Max
---	---	Zn,%	0.02 Max
---	---	Cu,%	0.015 Max

Safety
Always refer to the Material

Safety Data Sheet (MSDS)

Applications

- Used in the dyeing of linen, silk fabric, paper, bamboo, wood and the color.
- Can also be used in the manufacture of ink and color lake and dyeing of organisms,bacteria,organization.
- Used as a stain and as a pharmaceutical drug.

Packaging

25kg/Iron drum

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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