

## Product Datasheet

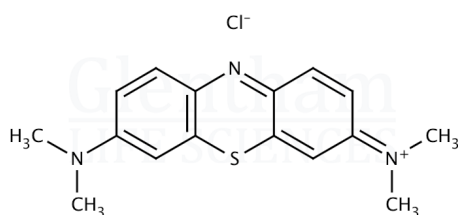
### GT1060 - Methylene Blue, anhydrous (C.I. 52015)

#### Product Details

Product Name	Methylene Blue, anhydrous (C.I. 52015)
Glenthams Code	GT1060
CAS Number	61-73-4
EINECS	200-515-2
Colour Index	52015
MDL Number	MFCD00012111
PubChem SID	310276715
Additional CAS	7220-79-3 ( $\cdot 3\text{H}_2\text{O}$ )
Additional CAS	122965-43-9 ( $\cdot x\text{H}_2\text{O}$ )
Related Categories	Biochemicals, Dyes & Stains

#### Structure

Molecular Weight	: 319.85
Molecular Formula	: $\text{C}_{16}\text{H}_{18}\text{ClN}_3\text{S}$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.

#### CLP Classification

Skin Irr. 2, Acute Tox. 4,  
STOT SE 3, Eye Irr. 2A

#### Signal Word

Warning

#### Hazard Codes

H315, H302, H335, H319

#### Precautionary Codes

P280, P302+P352,  
P305+P351+P338, P261,  
P301+P312

#### Pictograms



#### Glenthams Product Specification

Physical Description	: Dark green crystalline powder
Solubility (0.1% in water)	: Clear, blue to dark blue solution
Loss on Drying	: $\leq 8.0\%$ (100°C, 1h)
Residue on Ignition	: $\leq 1.2\%$
Arsenic (As)	: $\leq 8\text{ppm}$
Copper (Cu) + Zinc (Zn)	: $\leq 0.02\%$
Assay	: 98.0 - 103.0 % (dried basis)
Identification (IR)	: To conform to standard
Version	: v1.1

#### About Methylene Blue, anhydrous (C.I. 52015)

Methylene blue is a synthetic dye first used in the textile industry. It is used as a biological stain, staining nucleic acids and other negatively charged cell components. Methylene blue has also been used in medicine as a treatment for methemoglobinemia and in aquaculture for treating fungal infections in fish.

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