

METHYLENE BLUE

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: METHYLENE BLUE
Product Code: CM 23237
CAS#: 61-73-4
Synonym: Not available
Chemical Name: Not available.
Chemical Formula: $C_{16}H_{18}N_3ClS$

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:
Name: METHYLENE BLUE
Toxicological Data on Ingredients: Not applicable

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Eye irritation (Category 2), H319
Classification according to EU Directives 67/548/EEC None

SECTION 4: FIRST AID MEASURES

Description of first aid measures
General advice Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled If breathed in. Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact Wash off with soap and plenty of water. Consult a physician.
In case of eye contact Flush eyes with water as a precaution.
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delay No data available
Indication of any immediate medical attention and special treatment needed no data available

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media
Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas
Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.
Environmental precautions Do not let product enter drains.
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.



SECTION 7: HANDLING AND STORAGE

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.

Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s) A part from the uses no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

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

Personal protective equipment

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body 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.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance Form | : Darkbluishgreen color crystalline powder. |
| Colour | :Not available |
| Odour | :Not available |
| Odour Threshold | :Not available |
| pH | :Not available |
| Meltingpoint/freezingpoint | :Not available |
| Initialboilingpoint and boilingrange | :Not available |
| Flash point | :Not available |
| Evaporation rate | :Not available |
| Flammability(solid,gas) | :Not available |
| Upper/lower flammabilityor explosive limits | :Not available |
| Vapour pressure | :Not available |
| Vapour density | :Not available |
| Relative density | :Not available |
| Water solubility | :Not available |
| Partition coefficient | :Not available |
| Auto-ignition temperature | :Not available |

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity no data available

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions no data available

Conditions to avoid no data available.



Incompatible materials no data available
Hazardous decomposition products Other decomposition products - no data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity no data available
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation no data available
Serious eye damage/eye irritation no data available
Respiratory or skin sensitization no data available
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified

SECTION 12: ECOLOGICAL INFORMATION

Toxicity no data available
Persistence and degradability no data available
Bioaccumulative potential no data available
Mobility in soil no data available
Results of PBT and vPvB assessment PBT/vPvB assessment no data available
Other adverse affects no data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

| | | |
|------------------------------|------------------------------|-----------|
| UN number | | |
| ADR/RID: | IMDG: - | IATA: - |
| UN proper shipping name | | |
| ADR/RID: Not dangerous goods | | |
| IMDG: Not dangerous goods | | |
| IATA: Not dangerous goods | | |
| Transport hazard class(es) | | |
| ADR/RID: | IMDG: - | IATA: - |
| Packaging group | | |
| ADR/RID: | IMDG: - | IATA: - |
| Environmental hazards | | |
| ADR/RID: no | IMDG: - marine pollutant no. | IATA: -no |

SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture no data available
Chemical Safety Assessment For this product a chemical safety assessment was not carried out



SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.

Not Applicable

Other Special Considerations: Not available

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

