

NEW METHYLENE BLUE (Basic Blue 24)

SECTION 1: PRODUCT IDENTIFICATION

Product Name: NEW METHYLENE BLUE (Basic Blue 24)

Product Code: 3178

CAS#: 6586-05-0

Synonym: Not available

Chemical Name: Iodine

Chemical Formula: $C_{18}H_{22}ClN_3S \cdot ZnCl_2$

Molecular Weight: 416.05

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name: NEW METHYLENE BLUE (Basic Blue 24)

Chemical Formula: $C_{18}H_{22}ClN_3S \cdot ZnCl_2$

Molecular Weight: 416.05

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Other hazards: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

SECTION 4: FIRST AID MEASURES

Description of first-aid measures:

General advice Show this material safety data sheet to the doctor in attendance.

If inhaled After inhalation: fresh air. Call in physician.

In case of skin contact In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.

In case of eye contact After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labeling

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture Carbon oxides Nitrogen oxides (NO_x) Sulfur oxides Hydrogen chloride gas Combustible

Advice for firefighters Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing

Further information Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire-extinguishing water from contaminating surface water or the ground water system



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures: Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: HANDLING AND STORAGE

Precautions: Advice on safe handling Work under hood. Do not inhale substance/mixture.

Storage conditions Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Handle and store under inert gas. Hygroscopic.

Storage class Storage class (TRGS 510): 6.1D: Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Skin protection This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves

Respiratory protection Recommended Filter type: Filter B-(P2) the entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Brown to dark brown powder
Odour	: Not available
Taste	: Not available
Molecular Weight	: Not available
Colour	: Not available
pH	: Not available
Boiling Point	: Not available
Melting Point	: Not available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Iconicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Soluble in water

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity Not available



Chemical stability The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions Risk of explosion with: Reducing agents Alkali metals Acetylene Ammonia Potassium copper compounds.
Conditions to avoid Not available
Incompatible materials Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity Not available
Skin corrosion/irritation Not available
Serious eye damage/eye irritation Remarks: Causes serious eye irritation.
Respiratory or skin sensitization In animal experiments: - Mouse

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not available
Persistence and degradability The methods for determining the biological degradability are not applicable to inorganic substances
Bio accumulative potential Not available
Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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 datasheet 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 & R Statements:

Not available

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.

