



# UNISOURCE CHEMICALS PRIVATE LIMITED

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## NEW METHYLENE BLUE N

### Material Safety Data Sheet

#### **1. PRODUCT IDENTIFICATION:**

**Synonyms:** Basic Blue 24; C.I. 52030.

**CAS No.:** 6586-05-6

**Molecular Weight:** 416.04

**Chemical Formula:** C<sub>18</sub>H<sub>22</sub>ClN<sub>3</sub>S\*1/2ZnCl<sub>2</sub>

#### **2. COMPOSITION / INFORMATION ON INGREDIENTS:**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
New Methylene Blue N Zinc Chloride Double Salt	6586-05-6	~100%	No

#### **3. HAZARDS IDENTIFICATION:**

##### **Emergency Overview**

**Appearance:** Dark green – dark brown. **CAUTION!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation. This is expected to be a low hazard for usual industrial handling.

**Target Organs:** No data found.

##### **Potential Health Effects**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause irritation of the digestive tract. Low hazard for usual industrial handling.

**Inhalation:** May cause respiratory tract irritation. Low hazard for usual industrial handling.

**Chronic:** No information found.

#### **4. FIRST AID MEASURES:**

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** **Never** give anything by mouth to an unconscious person. **Do Not** induce vomiting. **IF** conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Notes to Physician:** Treat symptomatically and supportively.

## **5. FIRE FIGHTING MEASURES:**

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

**Extinguishing Media:** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Flash Point:** Not applicable.

**Auto-ignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (Estimated) Health: 1; Flammability: 0; Instability: 0

## **6. ACCIDENTAL RELEASE MEASURES:**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment Section. Avoid generating dusty conditions. Provide ventilation.

## **7. HANDLING AND STORAGE:**

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

**Storage:** Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Exposure Limits**

<b><u>Chemical Name</u></b>	<b><u>ACGIH</u></b>	<b><u>NIOSH</u></b>	<b><u>OSHA - Final PELs</u></b>
New Methylene Blue N Zinc Chloride Double Salt	None listed	None listed	None listed

**OSHA Vacated PELs:** New Methylene Blue N Zinc Chloride Double Salt: No OSHA Vacated PELs are listed for this chemical.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical State:** Solid.

**Appearance:** Dark green – dark brown

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.  
**Viscosity:** Not available.  
**Boiling Point:** Not available.  
**Freezing/Melting Point:** Not available.  
**Decomposition Temperature:** Not available.  
**Solubility:** Not available.  
**Specific Gravity/Density:** Not available.

#### **10. STABILITY AND REACTIVITY:**

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials, dust generation, excess heat, strong oxidants.  
**Incompatibilities with Other Materials:** Oxidizing agents, strong bases.  
**Hazardous Decomposition Products:** Hydrogen chloride, nitrogen oxides, carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide, nitrogen, zinc, zinc oxides.  
**Hazardous Polymerization:** Will not occur.

#### **11. TOXICOLOGICAL INFORMATION:**

**RTECS#:** CAS# 6586-05-6 unlisted.  
**LD50/LC50:** Not available.  
**Carcinogenicity:** CAS# 6586-05-6: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
**Epidemiology:** No data available.  
**Teratogenicity:** No data available.  
**Reproductive Effects:** No data available.  
**Neurotoxicity:** No data available.  
**Mutagenicity:** No data available.  
**Other Studies:** No data available.

#### **12. ECOLOGICAL INFORMATION:**

**Environmental Fate:** No information available.  
**Environmental Toxicity:** No data available.

#### **13. DISPOSAL CONSIDERATIONS:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.  
**RCRA U-Series:** None listed.

#### **14. TRANSPORT REGULATIONS:**

Not regulated.

#### **15. REGULATORY INFORMATION:**

##### **US FEDERAL**

**TSCA CAS# 6586-05-6** is not listed on the TSCA inventory. It is for research & development use only.

**Health & Safety Reporting List** None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules** None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b** None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule** None of the chemicals in this material have a SNUR under TSCA.  
**SARA**

**Section 302 (RQ) & Section 302 (TPQ)** None of the chemicals/products have a RQ or TPQ.

**Section 313** This material contains New Methylene Blue N Zinc Chloride Double Salt (listed as Zinc), 100%, (CAS# 6586-05-6) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Parts 373.

**Clean Air Act:** This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA.

CAS# 6586-05-6 is listed as a Toxic Pollutant under the Clean Water Act.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE CAS# 6586-05-6** can be found on the following state right to know lists: California, (listed as Zinc compounds), Pennsylvania, (listed as Zinc compounds).

California No Significant Risk Level: None of the chemicals in this product are listed.

## **EUROPEAN/INTERNATIONAL REGULATIONS**

### **European Labeling in Accordance with EC Directives**

**Hazard Symbols:** Not available.

**Risk Phrases:** Not available

**Safety Phrases:** S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection)** CAS# 6586-05-6: No information available.

**Canada - DSL/NDSL** None of the chemicals in this product are listed on the DSL or NDSL list.

**Canada - WHMIS:** Not available.

**Canadian Ingredient Disclosure List** CAS# 6586-05-6 is not listed on the Canadian Ingredient Disclosure List.

**Exposure Limits .**

## **16. DISCLAIMER INFORMATION:**

### **DISCLAIMER:**

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