

Blue Dye  
**MATERIAL SAFETY DATA SHEET**



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**1. PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME:** Blue Dye  
**CLASSIFICATION:** Additive

**MANUFACTURER**  
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**2. COMPOSITION/INGREDIENT INFORMATION**

Ingredient / CAS Number	Exposure Limits	Concentration
Acid Blue 9 CAS #3844-45-9	OSHA PEL: None listed ACGIH TLV: None listed	Trade Secret

**3. HAZARDS IDENTIFICATION**

**EYE CONTACT:** Prolonged or repeated exposure may cause irritation to eyes.  
**SKIN CONTACT:** May cause minor irritation to skin.  
**INGESTION:** Overexposure may result in gastric disturbance.  
**INHALATION:** Overexposure of dust may irritate mucous membranes.

**4. FIRST AID MEASURES**

**EYES:** Flush with plenty of water for at least 15 minutes. If irritation develops consult a physician.  
**SKIN:** Wash affected skin areas thoroughly with soap and water. If irritation develops, consult a physician. Remove all contaminated clothing and wash or clean prior to reuse.  
**INHALATION:** Move to fresh air in case of accidental inhalation. If breathing is difficult, administer oxygen and get immediate medical attention.  
**INGESTION:** Give several glasses of milk or water and induce vomiting. Get immediate medical attention. Note: Never give anything by mouth to an unconscious or convulsing person.

**5. FIRE AND EXPLOSION HAZARDS**

**FLASH POINT:** Not applicable  
**EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical, or water spray.  
**PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus and protective clothing.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning will produce oxides of carbon and nitrogen.  
**UNUSUAL HAZARDS:** Dust may be explosive if mixed with air in critical proportions and in the presence of source of ignition.

**6. ACCIDENTAL RELEASE MEASURES**

**GENERAL PROCEDURES:** Wear a NIOSH-approved dust respirator.  
**SPILLS:** Sweep or shovel spills using an absorbent to prevent dusting. Collect in a waste container for disposal. Wash down the area with water.

## 7. HANDLING AND STORAGE

**HANDLING:** Wear appropriate PPE when handling this product. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.

**STORAGE:** Keep in a tightly closed container in a cool, well-ventilated area.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust to minimize exposure.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear goggles.

**SKIN:** Wear an apron, coveralls, a long-sleeved shirt, rubber gloves, and boots to avoid skin contact.

**RESPIRATORY:** If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved full-face piece respirator, half-face piece respirator with splash goggles, or powered, filtered air-supplied hood.

**OTHER PROTECTIVE EQUIPMENT:** Provide eyewash fountain and quick drench facilities in close proximity to points of potential exposure.

**HYGIENE PRACTICES:** Shower after handling this product. Before eating, drinking, or smoking, wash hands and face with soap and water. Remove contaminated clothing and wash before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Odorless dark blue powder

**MELTING POINT:** Not available

**SOLUBILITY IN WATER:** Soluble

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excess heat, excess dust generation, incompatible materials.

**MATERIALS TO AVOID:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning will produce oxides of carbon and nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** This product is not considered a carcinogen by IARC and FDA.

**ACUTE ORAL LD50 (rat):** >10,000 mg/kg

**ACUTE DERMAL LD50 (rabbit):** Minimally irritating

## 12. ECOLOGICAL INFORMATION

**BIODEGRADATION:** Biochemical Oxygen Demand (BOD)

**BOD AFTER 7 DAYS:** 77%

**BOD AFTER 12 DAYS:** 84%

**BOD AFTER 20 DAYS:** 88%

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** N/A**HAZARD CLASS:** N/A**UN NUMBER:** N/A**PACKING GROUP:** N/A**LABEL:** N/A**PLACARD:** N/A**NMFC (NATIONAL MOTOR FREIGHT CARRIERS)****FREIGHT CLASS:** 85**15. REGULATORY INFORMATION****SARA TITLE III****ACUTE:** No**CHRONIC:** No**FLAMMABILITY:** No**REACTIVITY:** No**PRESSURE:** No**NFPA (NATIONAL FIRE PROTECTION AGENCY)****HEALTH:** 1**FIRE:** 0**REACTIVITY:** 0**SPECIAL:** NONE**16. OTHER INFORMATION**

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