



Red Dye  
**MATERIAL SAFETY DATA SHEET**

Date Issued: 07/01/2014

**1. PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME:** Red Dye  
**CLASSIFICATION:** Additive

**MANUFACTURER**  
Avanti International  
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**EMERGENCY TELEPHONE NUMBER**  
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**2. COMPOSITION/INGREDIENT INFORMATION**

Ingredient / CAS Number	Exposure Limits	Concentration
Basic Violet 10 CAS #81-88-9	TLV 1 mg/M3	Trade Secret

**3. HAZARDS IDENTIFICATION**

**HEALTH HAZARDS:**  
**EYE CONTACT:** Causes irritation to eyes on contact.  
**SKIN CONTACT:** May cause irritation to skin on contact.  
**INGESTION:** Harmful if ingested.  
**INHALATION:** Inhalation of dust may irritate the respiratory tract.

**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. Never give anything by mouth to an unconscious or convulsing person.

**5. FIRE AND EXPLOSION HAZARDS**

**FLASH POINT:** Not applicable  
**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry chemical, or water spray.  
**PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus and full protective clothing.  
**SPECIAL FIRE FIGHTING PRECAUTIONS:** Dust may be explosive if mixed with air in critical proportions and in the presence of source of ignition.  
**HAZARDOUS DECOMPOSITION:** Burning will produce oxides of carbon and nitrogen, NH<sub>3</sub>, and/or Hydrogen Chloride.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Avoid all contact with the product by ingestion, inhalation or contact with the skin, and eyes. 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:** In accordance with good industrial practices, handle with care and avoid personal contact.

**STORAGE:** Keep in closed container at ambient temperature and humidity.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Ventilation, local exhaust to minimize exposure.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear goggles.

**SKIN:** Wear an apron, coveralls, a long-sleeve 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:** Greenish/Red Powder with a mild odor

**pH:** Approx 3.7 (0g/l 80% Ethanol)

**SOLUBILITY IN WATER:** 15 g/l

**BULK DENSITY:** 1.31

**MELTING POINT:** 338 F (170 C)

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None Known

**MATERIALS TO AVOID:** Strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning will produce carbon and nitrogen, NH<sub>3</sub>, and/or Hydrogen Chloride.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** Liver cancer was observed in female mice fed a diet containing 0.02% Basic Violet 10. Also male rats fed a diet containing 0.075% Basic Violet 10 had an elevated incidence of thyroid.

**ACUTE ORAL LD50 (rat):** Approximately 2000 mg/kg

**ACUTE DERMAL LD50 (rabbit):** Not irritating **EYES (rabbit):** Severely irritating

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not available

**PERSISTENCE/DEGRADABILITY:** Not available

**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**

**SECTION 313:** Yes

**ACUTE:** Yes

**CHRONIC:** Yes

**FLAMMABILITY:** No

**REACTIVITY:** No

**OXIDIZER:** No

**NFPA (NATIONAL FIRE PROTECTION AGENCY)**

**HEALTH:** 2

**FIRE:** 1

**REACTIVITY:** 0

**16. OTHER INFORMATION**

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