

## Dyeset Concentrate

MSDS No: #762

Effective Date: 03/25/93

Amendatory Date: 03/14/7

### 1. Product Identification

**Product Name:** Permanent Dyeset Concentrate**Product Code:** #762**Formula:** Mixture**Chemical Family:** Polymer in aqueous dispersion**Primary Use:** Textile Auxillary Chemical

### 2. Hazardous Ingredients

**Hazardous Components:** Formaldehyde .054% CAS N. 67-66-1

Methanol 2% CAS N. 50-00-0

### 3. Physical Data

**Boiling Point:** 100 C**Vapor Pressure:** N/A**Vapor Density:** 1**Solubility in Water:** Soluble**Appearance:** Reddish Amber liquid**Specific Gravity:** >1**Melting Point:** 1160F**Viscosity:** 35 CPS @25 C**pH:** 2.7-4.7**Density:** 1.26 g/cm<sup>3</sup> @25 C

### 4. Fire and Explosive Data

**Flash Point:** >100 C**Extinguishing Media:** Carbon Dioxide, water, alcohol foam or dry chemical**Special Fire Fighting Procedures:** use self-contained breathing apparatus and full protective clothing. Use water spray to cool drums in fire area.**Unusual Fire or Explosive Hazards:** Emits toxic and corrosive fumes under fire conditions. Closed containers may rupture (due to pressure buildup) when exposed to heat or flame.

### 5. Reactivity Data

**Stability:** Stable**Incompatibility (materials to avoid):** Strong oxidizers**Hazardous Decomposition Products:** Thermal decomposition may generate Carbon Dioxide, Carbon Monoxide and oxides of Nitrogen and Sulfur**Polymerization:** Will not occur

### 6. Health Effects Data

**Routes of Entry:** Inhalation, skin absorption, eye contact.**Acute:** N/A**Chronic:** N/A**Carcinogenic:** Yes**Signs & Symptoms of Exposure:** This product contains residual Formaldehyde. Skin contact with Formaldehyde can cause irritation, reddening and shelling. Eye contact with liquid Formaldehyde can cause severe irritation, burns and permanent irreversible damage. Eye contact with the vapor causes irritation, tearing and a burning sensation.

Formaldehyde vapors when inhaled are highly irritating and can cause inflammation of the lining of the nose, throat and lungs. When taken internally, Formaldehyde causes severe stomach pains, diarrhea and violent vomiting. This product also contains Methanol. Skin contact with Methanol can lead to defatting of the skin and mild irritation or dermatitis. Eye contact may result in irritation. Effects of overexposure when ingested include Central Nervous system effects resembling alcoholic intoxication after 6-30 hrs: Vomiting, abdominal pain, visual disturbances, shortness of breath, delirium, unconsciousness, coma and death result. Inhalation and skin absorption are also routes of exposure: the symptoms are similar to the above: liver and in particular eye damage resulting in temporary or permanent blindness; 100 to 200 ml of Methanol is fatal to humans. As little as 10ml causes permanent blindness.

**Medical Conditions Aggravated by Exposure:** Any existing eye, skin or respiratory condition.

### **7. Emergency and First Aid Procedures**

**Eye Contact:** Hold eyes open and flush with large quantities of water for at least 15 minutes. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Consult physician if irritation continues.

**Ingestion:** If person is conscious, give water to dilute stomach contents. Seek medical attention immediately.

**Inhalation:** Consult physician if irritation of respiratory passages occurs.

### **8. Employee Protection Recommendations**

**Eye Protection:** Safety goggles or full-face shield

**Skin Protection:** Clothing suitable to prevent skin contact

**Respiratory Protection:** NIOSH approved dust respirator, following manufacturer's recommendations.

**Other:** Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits. Emergency showers and eyewash stations should be available in areas of use. Wash hands and face before eating, drinking or smoking.

### **9. Spill or Leak Procedures**

**In Case Material is Released/Spilled:** Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak. Collect onto inert absorbent, place in suitable container.

**Waste Disposal Method:** Dispose of in accordance with all Federal, state and local regulations.

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