

## Orcozine™ Basic Dye Description, Storage, Handling, and Preparation

### Description

**Orcozine™** dyes are modified cationic (basic) dyes for dyeing and printing acrylic and modacrylic fibers. This range affords a good selection of dyes to meet the brightness and fastness requirements for a variety of end uses.

### Storage

**Orcozine™** Basic dyes should be kept in a dry area and elevated so container is not in direct contact with the cold ground which may cause condensation and eventual caking of the dye. Basic dyes especially have a tendency to attract moisture (hydrophilic) which results in hard dye clumps. Each drum of dye should be spaced far enough away from each other to prevent cross-contamination when drum lids are removed and the dye is transferred. All dyes should be stored in a separate room from chemicals to avoid contamination from air-borne dye dust. Drum lids should be replaced immediately and sealed to prevent cross-contamination and minimize moisture buildup. Utensils used to remove the dye from the drum should be perfectly clean of any dirt, chemicals, or other dye.

### Handling

As with any dye or fine-particle material, the proper NIOSH-approved respiratory mask should be used when handling dyes. Operator should review Safety Data Sheet (SDS) and wear proper protective clothing allowing no direct skin contact.

### Preparation

Soft water should be added slowly to preweighed dye, which has been initially pasted with acetic acid or methanol, in a suitable *bail-up* container and then steam added slowly to prevent excessive frothing. The weight ratio of water to dye should not exceed the solubility of the dye. Boil the dye solution or add more steam to insure all dye is completely dissolved into solution. Make sure the steam is not generated from hard water or water which contains metals or high levels of chlorine. If necessary, agitate with a mixer and dilute with hot water. Before adding to the dyebath, the dye solution should first be passed through a fine-meshed screen.

### Shelf Life

The shelf-life of **Orcozine™** basic dyes in a sealed container is estimated at 1-3 years for powders and 1 year for liquids when stored in a cool, dry, and dark environment.