

## Orco Flame Retardant DR™

**Orco Flame Retardant DR™** is non-durable inorganic flame retardant for use on synthetics, cellulose, and their respective blends. **Orco Flame Retardant DR™** provides a dry crisp hand unlike many salt blends, which are very hygroscopic.

### Physical Properties

<b>Appearance</b>	Clear, pourable liquid
<b>Odor</b>	No significant odor
<b>Specific Gravity</b>	1.20

### Applications

#### *Padding*

- drying requires no curing or catalyst.

### Procedures

In general, dependent on fiber type, weight, and construction, the following general recommendations should pass a vertical 12 - 15 second burn test:

#### *Polyester/Cotton*

- 40% - 60% on weight of bath(owb) **Orco Flame Retardant DR™**
- 0.25% - 0.50% on weight of goods(owg) **Orconol CHSA Conc™**

#### *Acetate, Nylon, & Polyester*

- 20% - 50% owb **Orco Flame Retardant DR™**
- 0.25% - 0.50% owg **Orconol CHSA Conc™**

#### *Cotton or Wool*

- 20% - 40% owb **Orco Flame Retardant DR™**
- 0.25% - 0.50% owg **Orconol CHSA Conc™**

Fabrics should be free of all residual oils, waxes, and softeners as this will contribute to flammability.