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## **PRODUCT DATA SHEET**

### **DESCRIPTION:**

## **InvoCor CI - 3305**

### **Basic Zinc Phosphate Complex**

InvoCor CI-3305, as defined by TSCA, is a mixture. All components of this mixture are listed in the TSCA Chemical Substances Inventory, the Canadian DSL and EINECS.

### **APPLICATIONS:**

#### **Corrosion**

InvoCor CI-3305 is an extremely effective and highly versatile corrosion inhibitor; compatible in a wide variety of both solvent and water-borne resin systems. Typical loading levels range between 1.0%-7.5% by total formula weight and its low oil absorption makes it a good choice in gloss DTM's and high solids formulations.

#### **Tannin Stain**

The unique composition of InvoCor CI-3305 also provides for tannin stain blocking properties, especially in resin systems that typically require the use of zinc oxide. InvoCor CI-3305 usually provides improved stain blocking and better stability as opposed to zinc oxide. Typical loading levels range between 2%-5%.

#### **Flame Retardant/Smoke Suppressant**

Additionally, the chemistry of InvoCor CI-3305 also finds use as a flame retardant and smoke suppressant by improving the char layer formation. Areas of application can include plastic compounds (wire and cable, nylon connectors, calendared film), wallpaper and adhesives. Suggested resin systems would include PVC, nylon, epoxy, and polyolefins; and it is compatible in both halogenated and non-halogenated systems.

### **TYPICAL PHYSICAL PROPERTIES:**

**pH:** 8.5

**Oil Absorption:** 22

**Specific Gravity:** 3.7

**Moisture:** 1.5%

**Hegman Grind:** 5

**Water Solubility:** 0.02% @ 25°C

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**CUSTOMER NOTICE:**

**Invotec LLC provides this information in good faith but makes no representation as to its comprehensiveness. Our products are intended for industrial use only. We cannot foresee how each customer may use the product in connection with its manufacturing and/or sales operation. Therefore, we cannot and do not warrant that the product will produce the results desired or expected by each customer under varying circumstances. It is the ultimate responsibility of each customer to determine the suitability of the product. Therefore, we strongly urge customers to vigorously pursue their own testing program in order to determine the suitability of our product to meet their requirements.**

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**Imagination × Ingenuity + Implementation**

“True innovation is the product of *imagination* and *ingenuity* combined with the unique ability to *implement* results to the maximum benefit of all our valued stakeholders.”