Latest News

ESD Paper Offers Innovative Corrosion Inhibition, Electrostatic Discharge Protection, and Packaging Solutions

Posted by Donna Kearney on January 6, 2017 in Business News, Company News | Leave a response

Cortec® Corporation has developed a static dissipative corrosion inhibiting paper that serves as a complete packaging paper for electrical and electronic items. Sensitive electronic metal items in EcoSonic® ESD Paper powered by Nano VpCI® will be protected from damaging static electricity buildup and corrosion.

EcoSonic® ESD Paper eliminates static electricity buildup through the use of an environmentally friendly coating made from soybean oil and coated on the surface of the paper. The paper performs better on the static half-life test (a test with an environment consisting of little or no humidity) than papers with conventional anti-stat coatings consisting of alkyl ammonium chlorides, typical ethoxylated amines, typical imidazolines, phosphated esters, and nonionic based antistat coatings.

The antistat protection from EcoSonic® ESD Paper is thermally stable at high temperatures (in excess of 392°F (200°C) and pH stable between 2 and 11 at temperatures in excess of 100°F (38°C) for several days. EcoSonic® ESD Paper conforms to performance specifications for MIL-PRF-81705D (Static Decay Rate and Surface Resistivity).

EcoSonic® ESD Paper will also provide contact, vapor, and barrier phase corrosion inhibition for ferrous and non-ferrous metals. It conforms to the requirements of performance specification MIL-PRF-3420H (vapor inhibiting ability) and is effective against aggressive environments including humidity, SO_2, H_2S, and galvanic corrosion from dissimilar metals. At the same time, it is free of nitrites, phosphates, silicates, and other hazardous compounds and is non-toxic, biodegradable, and fully recyclable/repulpable. Made from neutral natural kraft paper without using chlorine or other bleaching, this paper eliminates package contamination found with other corrosion inhibiting papers.