

# ACTEGA Kelstar Technical Bulletin

## Environmental Impact of Aqueous Coatings

Aqueous coatings formulated by ACTEGA Kelstar are non-toxic and are not considered hazardous by current government regulations. Environmental concerns regarding heavy metal content in aqueous coatings do not apply, as there are no heavy metals in any of our coatings.

Aqueous coatings offer the printer distinct environmental advantages when compared with conventional solvent and varnish coating technology. Besides having lower VOC and no HAPS, the performance characteristics of this technology make aqueous coatings the preferred choice of many applications.

A water based (aqueous) coating is often the best overprint choice in term of environmental impact. Paper with water based lacquer coatings can be recycled and re-pulped, depending on what local recycling centers will take, and emit no harmful byproducts in the process. The cleanup process in the plant is easy and does not require toxic cleaning detergents nor does it use high temperatures.

ACTEGA Kelstar has always formulated with both worker safety and environmental impact as our top priorities. We currently supply many aqueous coatings to the food & packaging industry. Our products are designed to provide high performance while contributing nothing hazardous to our environment.

Aqueous Coatings: the raw materials in a dry film of Starkote aqueous coatings conforms to the requirements listed in the Food & Drug Administration Code of Federal Regulations, Title 21, and Section 175.105. These products may be used safely as a coating on the outside of packages intended for use on packing, transporting or holding food where incidental contact can occur.

The raw materials in Starkote aqueous coatings are chemically acceptable by the USDA for use on packing materials for meat or poultry food products prepared under federal inspection. This is provided that the coating is separated from the meat or poultry by an effective barrier to migration of the coating components. Once the coating and ink are fully cured, the coating will leave no residual odors.

**Contact ACTEGA Kelstar** at 856 829 6300 or [info.actega.kelstar@altana.com](mailto:info.actega.kelstar@altana.com) for additional information or technical assistance.