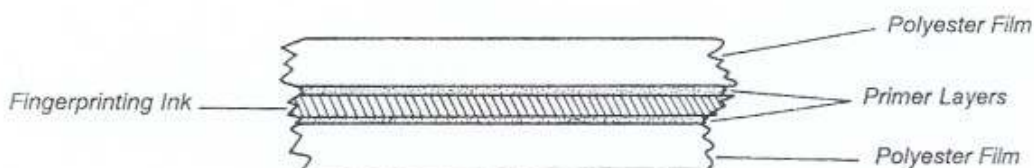


DURESTER PRINTAKE

HEALTH AND SAFETY ADVICE

DURESTER PRINTAKE consists of a laminate of two polyester films with a soft black fingerprint ink in the centre of the laminate. To maintain good adhesion of the ink to the polyester, the inner surfaces of the polyester are primed with a translucent matt layer.

Diagrammatically the construction is shown below:



Data on the component layers is as follows:

Polyester Film

Trade name Melinex (registered trade mark of I.C.I.). Chemical name polyethylene terephthalate.


Primer Layer

A thin (4 gms/square metre) layer of cured (thermoset) resin containing finely divided silica. The binder resin is the condensation product of a carboxylated acrylic resin cross linked with partially hydrolysed polyvinyl alcohol and cellulose aceto-propionate. Copies of data attached are from "Dangerous Properties of Industrial Materials" 5th Edition by Irving Sax, but this is not truly relevant as it refers to the components and not to the final, thermoset, layer. Similarly the published hazards associated with finely divided silica are not relevant to this product because the silica is so firmly bound to the resin.

Because of the inert, unreactive nature of the components we do not anticipate a health risk from any normal contact with this product used as intended. The product was however not devised with any expectation of contact with food products so it and its components have not been proposed for F.D.A. or similar approval.

If it is proposed to package it for inclusion with food products we can only recommend that it should be in secure (heat-sealed) envelope consisting of a film which is itself F.D.A. approved for food contact.

Extracts from "Dangerous Properties of Industrial Materials" 5th Edition
-Polyvinyl alcohol
-Lanolin
-Carbon


R.E. Wagland
Quality Assurance Director

Colour Index Reference for C.T.42770A Reflex Blue