Declaration of non use of

Isopropylthioxanthone (ITX), 2,4-Diethylthioxanthone (DETX), benzophenone, 4-methylbenzophenone and other low molecular weight derivatives of benzophenone, ethyl-4-dimethylaminobenzoate, 2,2-Dimethoxy-2-phenylacetophenone, and other low molecular weight photoinitiators, in solvent based, water based, oxidative drying sheetfed and web-offset inks, in electron beam curing inks, as well as in UV curing inks and varnishes intended for food packaging.

Isopropylthioxanthone (also called ITX, CAS 5495-84-1 and CAS 83846-86-0), 2,4-diethylthioxanthone (DETX, CAS 82799-44-8), benzophenone (CAS 119-61-9), 4-methylbenzophenone (CAS 134-84-9), and other low molecular weight derivatives of benzophenone, ethyl-4-dimethylaminobenzoate (also called EDB or EDAB, CAS 10287-53-3), 2,2-dimethoxy-2-phenylacetophenone (also called benzildimethylketal BDK, CAS 24650-42-8), are low molecular weight photoinitiators that may be used for UV curing printing inks and coatings. Photoinitiators have a key function in the drying process of these inks. Further to the above-named photoinitiators, a range of substances with equivalent low molecular weight and “high migration” properties are used by the ink industry for UV curing inks and varnishes which are not intended for food packaging.

However, all these photoinitiators have no technical function in above mentioned “non-UV” inks which are drying via a different process. Consequently, in the manufacture of all solvent based, water based, oxidative drying sheetfed, web-offset and electron beam curing inks supplied by Siegwerk, these photoinitiators are not part of the formulation.

All photoinitiators mentioned above bring about a high migration potential. Consequently, Siegwerk considers this group of photoinitiators as not suitable for use in UV curing printing inks and varnishes intended for food packaging.

1 Siegwerk’s policy is in line with the EuPIA Guideline “Printing Inks applied to the non-food contact surface of food packaging materials and articles”, with the EuPIA “Customer information note regarding the use of sheetfed offset inks and varnishes for the manufacture of food packaging”, and with the EuPIA “Suitability List of Photo-initiators for Low Migration UV Printing Inks and Varnishes”, www.eupia.org.
In the manufacture of all UV curing inks and varnishes supplied by Siegwerk and intended for food packaging (“Siegwerk Low Migration UV inks and varnishes”), such as

- SICURA PLAST LM
- SICURA Litho Nutriplast
- SICURA Litho Nutriboard
- SICURA Litho Nutrimetal
- SICURA Nutri Metaldec
- SICURA Nutriflex 10
- SICURA Nutriflex 20
- SICURA Nutriflex White
- SICURA Nutriflex Metal
- SICURA Nutri-Waterless
- SICURA Nutriscreen
- SICURA Nutriflex OPV
- SICURA Nutrioffset OPV
- SICURA Nutriflex primer
- SICURA Nutrioffset primer
- SICURA Nutri Adhesives

and other products identified in the “Siegwerk Customer Information: UV Labels and UV Sheetfed Inks and Varnishes for Food Packaging - Selection of Siegwerk UV Low Migration Systems”, all of these high migration photoinitiators\(^2\), as well as raw materials containing them, are not used as intentionally added ingredients.

\(^2\) This group includes also all „Group 2“ photoinitiators identified in the “EuPIA Suitability List of Photo-initiators for Low Migration UV Printing Inks and Varnishes”.