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# Food Contact Evaluation

HIGH PERFORMANCE ADDITIVES FOR  
PAINTS & COATINGS

## Food Contact Regulations

All actual food contact regulations are founded on one basic principle: no transfer of substances from packaging to foodstuff is permitted unless the substances are evaluated and approved for materials in contact with food.

### Swiss Ordinance Regulation on Materials and Articles of FDHA

- The Swiss Ordinance regulates among others, materials and articles that come in contact with food. The list of permitted substances for the production of packaging inks with their related requirements are divided into two parts of annex 10:
  - Part A: Substances that have undergone an official scientific examination. Any limit values for migration stated in this list have to be observed.
  - Part B: Substances that have not undergone any official scientific examination. A migration of these substances must not be traceable resp. must not exceed 0.01 mg/kg. [1]

### BfR Recommendations by the Federal Institute for Risk Assessment

- The Federal Institute for Risk Assessment works out recommendations within the scope of food, consumer goods and feed codes (LFGB) which can be found in the database BfR XV or XXXVI-Recommendations of materials for food contact (previous called recommendations of plastics).
- The BfR recommendations reflect the current state of science and technology. For that reason they are – although not legally binding – an important and accepted guide to check whether a material with food contact fulfils the legal requirements of the EU Regulation 1935/2004. It is more or less a framework regulation. Basically the most important statement is: “Materials and articles have to be produced in such a way that under normal and foreseeable application conditions the quantity of the substance components migrating onto the foodstuff does not endanger the health of the consumer”. [2]

### CFR. 21 Regulation by the U.S. Food and Drug Administration (FDA)

- The use of printing inks in the United States for packaging materials made of plastic which are intended to come in contact with food is subject to the laws and regulations administered by the U.S. Food and Drug Administration (FDA).
- The Code of Federal Regulations (CFR) is a codification of the general rules published in the Federal Register by the executive departments and agencies of the Federal Government. The title 21 of the CFR is reserved for rules of the FDA. Following legal restrictions are existing [3]:
  - §176.200 (Defoaming agents used in coatings): Any substance employed in the production of defoaming agents which is the subject of a regulation in parts 174, 175, 176, 177, 178 and §179.45 of this chapter, conforms with any specification in such regulation.

#### List of references:

- [1] <http://www.hubergroup.de/de/information/lebensmittelverpackungen/futurepack-content/rechtliche-regelung-schweiz/> [25.01.2017]
- [2] [http://www.bfr.bund.de/de/gesundheitsliche\\_bewertung\\_von\\_materialien\\_in\\_kontakt\\_mit\\_lebensmitteln-227.html](http://www.bfr.bund.de/de/gesundheitsliche_bewertung_von_materialien_in_kontakt_mit_lebensmitteln-227.html) [25.01.2017]
- [3] <http://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/Databases/ucm135680.htm> [25.01.2017]

## Food Contact Evaluation

### HIGH PERFORMANCE ADDITIVES FOR PAINTS & COATINGS

Technology	Product	Swiss Ordinance Annex 10	BfR XV / XXXVI	FDA 21 CFR *
<b>Levelling &amp; Surface Additives</b>	HANSA ADD 1010	yes	yes	yes
	HANSA ADD 1045	yes**	yes	no
	HANSA ADD 1225	yes	yes	yes
	HANSA ADD 1325	yes	yes	no
	HANSA ADD LSN	yes	yes	no
	HANSA ADD 4035	yes	yes	no
	HANSA ADD 4090	yes	yes	no
	HANSA ADD 6775 <small>New</small>	yes	yes	yes
<b>Substrate Wetting Agents</b>	HANSA ADD 150	yes	no	no
	HANSA ADD 1060	yes	no	no
	HANSA ADD 1065	yes	no	no
	HANSA ADD 1305	yes	yes	no
	HANSA ADD 1362	yes***	no	no
	HANSA ADD 1364	yes***	no	no
	VARISURF SP 5150	yes	yes	no
<b>Defoamers</b>	HANSA ADD 5020	yes	yes	no
	HANSA ADD 5070	yes	yes	no
	HANSA ADD 5085	yes	yes	no
	HANSA ADD 5733	yes	no	no
	HANSA ADD 5734	yes	no	no
	HANSA ADD 5744	yes	no	no
	HANSA ADD 5425	yes	no	no
	HANSA ADD 5435	yes	yes	no
	HANSA ADD 1075 <small>New</small>	yes	yes	yes
	HANSA ADD 5750 <small>New</small>	yes	yes	yes
	HANSA ADD 5760	yes	yes	yes

\* corresponds to regulation §175.105 / 175.300 / 176.170 / 176.180 / 176.200 / 176.210

\*\* with a maximum application rate of 7% (w/w) based on the final product.

\*\*\* limited for the usage in printing inks

For information about food regulatory approvals, please contact the product safety department: [product-safety@cht.com](mailto:product-safety@cht.com)

## Reliable Partner with Sustainable Solutions

As global medium-sized player for specialty chemistry the CHT Group offers sustainable solutions with the intention to be the first reference and a reliable partner for our worldwide customers supporting their demands on a long-term basis.



We generally confirm based on our understanding that our products comply with the described regulations or recommendations regarding food contact if used and applied as defined in our technical leaflet. For more information about the current food regulatory approvals, our product safety department will provide any details.

Furthermore, we would like to point out that our statements refer to our research on the product ingredients of our chemical products. It has to be noticed however that the ultimate responsibility resides with the food contact material/article manufacturer and that it is his role to take every reasonable action to ensure their products are suitable for use with food, will not pose a health hazard, and are safe within the spirit of the legislation. In making this determination, the applicability of specific regulatory clearances may be considered, as well as the potential for migration of impurities – e.g. byproducts, breakdown products, or residual starting materials – to food from the use of the product.

Need more information or  
technical support?

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Version: 01.02.2019



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