

Guideline for using low migrating bases

Rely on us.

FlintGroup

► Why a training ?

- Due to production or mixing of low migration inks from low migration bases, special standards are required.
- Therefore, a particular handling for successful work flow and results is necessary.

▶ To be considered

- Prohibit cross contamination from standard raw materials
 - To avoid any unintended cross contamination with standard raw materials, the area of low migration production has to be clean of non approved materials.
 - In cases of limited space it is strictly recommended, to take care about. Precautions must be taken to avoid mix-up or cross contamination.
- Batch numbers of used raw-materials and bases must be documented
 - Regulatory requirement, necessary for traceability.

► What is behind special inks for Food packaging?



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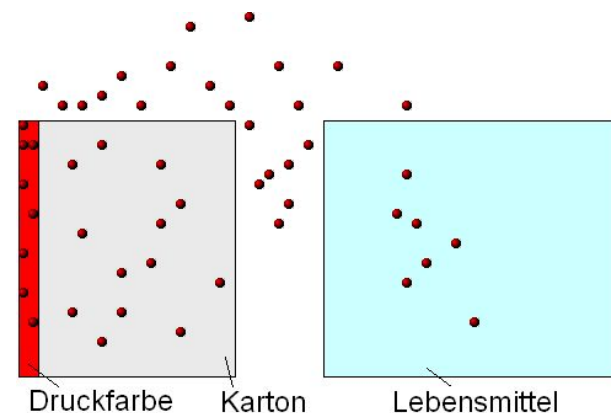
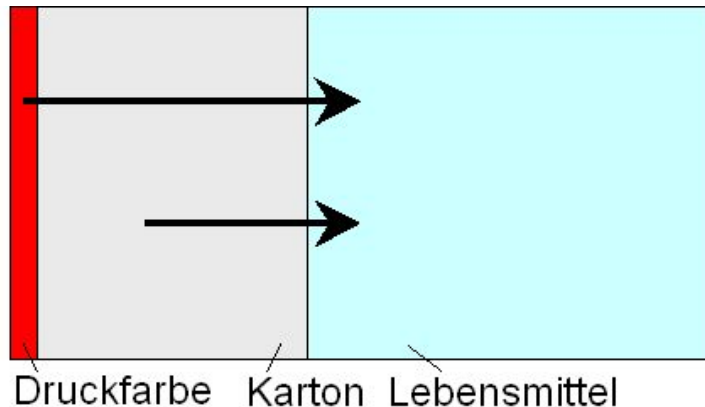
- Mineral oil could be a constitutional content of conventional inks
- The content of mineral oil in low migration inks is limited to less than 0,02 %.
 - *0,02% about 200 kg is the volume of a jigger in a barrel*
- Therefore, it is not allowed to contaminate low migration inks during the mixing procedure with e.g. mineral oil.

► Low migration inks are..

■ Migration, what is behind?

➤ Migration is a description for transfer of materials

■ Related to packages for food, migration is a description for transfer of components or a pollution of printing ink and carton into the food.



▶ What should be considered, that a pollution of Novasens bases could be avoided ?

■ Several important arrangements are to consider

- Use only proper cleaned buckets
- Mixer has to be cleaned or flushed before use
- Avoid cross-contaminating from e.g. washes and solvents

■ Use only allowed and recommended additives and cleaners

- Novasens PREMIUM Reducer VU10-01CI-XSAE
- Novasens PREMIUM Reduxpaste VU10-01MD-XSB1

■ Further legal regulations

- Batch numbers of used raw-materials and bases must be documented

► Keep in mind

■ Use only clean buckets

- The bucket has to be properly clean and free of other inks. If necessary, use Novasens Premium Reducer for cleaning.

■ Mixer has to be cleaned or flushed before use

- The mixer has to be absolutely free and clean of other inks or leftover from before used inks. That is also relevant for all other equipments, e.g. spatula, brush or...

■ Avoid carry-over by cleaning agent or solvents

- Only Novasens PREMIUM Reducer as cleaner is recommended, all other products could cause a cross-contamination!

► Keep in mind: drum - / pail pumps

- **Cleaning & lubrication** of the rubber lip at the heading tool from drum - and pail pump



- **Avoid carry-over by cleaning agent or solvents**
 - Only Novasens PREMIUM Reducer as cleaner or lubricant is recommended, all other products could cause a cross-contamination and migration!