





UVACurid® PrimeCup FCM

SVHC background information

23.01.24: A raw material of C81 was added to the SVHC candidates list



Candidate List of substances of very high concern for Authorisation

(published in accordance with Article 59(10) of the REACH Regulation)

Notes

- Authentic version: Only the Candidate List published on this website is deemed authentic. Companies
 may have immediate legal obligations following the inclusion of a substance in the Candidate List on this
 website including in particular Articles 7, 31 and 33 of the REACH Regulation.
- Numerical identifiers: Each candidate list entry covers both anhydrous and hydrated forms of a substance. The CAS number shown in an entry is typically for the anhydrous form. Hydrated forms of the substance identified by other CAS numbers are still within the scope of the entry.
- Other numerical identifiers: For those entries with "-" in the EC number and CAS number columns, a
 non-exhaustive inventory of EC and/or CAS Registry numbers describing substances or groups of
 substances considered to fall within the scope of the Candidate List entry is included, where practicably
 possible. This information can be accessed through the "Details" button of the selected entry.

FURTHER INFORMATION

- More information about Candidate list of Substances of Very High Concern for Authorisation
- Data on Candidate List
 substances in articles
- Reason for inclusion

 bg cs da da al as at fi fr

 hr hu it it iv mt ml p pt

 ro sk sl sv

Legal implications:

- + No restriction or ban
- + Reporting obligation through safety data sheet
- + Reporting obligation for the final article if >0.1%
- + Concentration in the final article typically <0.1%
 - ⇒ no reporting obligation

BUT:

Many brand owners dislike/ban SVHCs



Update of C81



Latest developments

- + Development of a new version
 - + Substition of the SVHC raw material and keep the current press performance
 - expected to be available for customers from Q3/2024

New products need new inks



Latest developments

- + Market requirements changed
- More ultra heat treated milk-based products with a longer minimum shelf life
- + Request for test conditions for migration analyses that cover the changed storage time
 - + 10 days stored in a staple at 40°C
 - + 10 days stored fully filled with ethanol at 60°C

UVACurid® PrimeCup LED FCM

UV LED Ink for Plastic Cups

Development Status

- + Partners: Polytype (CH) + Greiner (AU)
- + LED UV Curing System Phoseon
 - + Type: FL440, 16W/cm²
 - Wide window 25mm, longer exposure, high total UV dose
 - + No edge on lamp → short distance to cup (2mm)
- + Print Speed aim 700 cups, current max. 700 cups



UV LED Ink for Plastic Cups

Current trials

- + On PP cups
- + Colours: Yellow, Blue, Red, Black under development
- + Scratch resistance ok, close to reach adhesion target

Further steps

- + Test of the dual curability
- Development of the base inks for mixing
- + End of 2024 start of customer trials



UV LED Ink for Plastic Tubes

Development status

- + First trial: Linhard (DE)
- + LED UV Curing System UVTerno
 - + Type: EVO H+ LED 15W/cm²
 - + Flame pretreatment
- + Print Speed aim 200 tubes, current max. 80 tubes

Further steps

- Development of Cyan and Magenta
- + Test of the dual curability



Substitution of the SVHC raw material

Further processes

- + UVARolid UV
- + UVARolid UK
 - + Revision of both series
 - + Target Q3/Q4



If you have testing options at your customers, please contact us!



Container Decoration Manual







