

WATER-BASED FLEXO INKS

UniSafe

Regulatory and compliance summary

Food-grade compostable ink for tea tags and food wrappers

DOCUMENT NO.	UF/REG/UNISAFE
REVISION	01
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PRODUCT TYPE	Water-based ink
RELATED TDS	UF/TDS/UNISAFE

This sheet summarises the regulatory status of the product as declared by Uniform Industries. It is derived from the Technical Data Sheet and the Safety Data Sheet and is provided to help converters and brand owners complete their own compliance assessment of the finished article. It is not a certificate of conformity; formal declarations for a specific market, pack or batch are issued on request.

01 PRODUCT IDENTITY

Product name	UniSafe
Product code	See TDS
Product family	WATER-BASED FLEXO INKS
Chemistry	Water-based acrylic emulsion system
Physical form	Liquid
Flash point	> 60 °C
VOC	< 10 % w/w

02 HAZARD COMMUNICATION AND TRANSPORT

Topic	Status
CLP classification (EC) 1272/2008	Not classified as hazardous (EUH208 preservative note)
GHS labelling	No pictogram
Safety Data Sheet	UF/SDS/UNISAFE (REACH Annex II format), preliminary issue
Transport (ADR / IMDG / IATA)	Not classified as dangerous goods

03 CHEMICAL REGULATIONS

Regulation / scheme	Status	Evidence
REACH (EC) 1907/2006 – registration	Compliant	Raw materials registered, pre-registered or exempt
REACH SVHC candidate list	None intentionally added > 0.1 %	Supplier declarations; statement on request
REACH Annex XVII restrictions	Compliant	No restricted substances above limits intentionally added
EuPIA Charter on raw material selection (2026)	Assessed – compliant	Replaces EuPIA Exclusion Policy; heavy-metal pigments, named solvents, hazardous plasticisers excluded
CMR substances (cat. 1A / 1B)	None intentionally added	Raw material declarations
RoHS 2011/65/EU (Pb, Cd, Hg, Cr VI, PBB, PBDE, phthalates)	Compliant	Heavy-metal-free pigments; no listed phthalates
EN 71-3 toy safety (migration of elements)	Statement on request	Pigment selection; test reports for specified grades

Regulation / scheme	Status	Evidence
Halogenated compounds	No halogenated raw materials intentionally added	Formulation review
Conflict minerals (3TG)	Not applicable	No tin, tantalum, tungsten or gold used
California Proposition 65	Statement on request	Formulation review
Ozone-depleting substances	None	Formulation review

04 FOOD PACKAGING AND MIGRATION

Topic	Status
Intended food-contact status	Suitable for the non-food-contact side of paper and board packaging and for cups and containers where the product is separated from the food by the substrate or a PE coating, subject to the packer's assessment. Not for direct food contact unless specified on this sheet.
Regulation (EC) 1935/2004 framework	Applies to the finished article. The printed ink / coating layer must be separated from the food by the substrate or a functional barrier; the packer is responsible for the compliance assessment of the pack.
Regulation (EC) 2023/2006 GMP	Manufactured under documented good manufacturing practice.
Indirect food contact	Suitable for the non-food-contact side of paper and board packaging, and for cups and containers where the product is separated from the food by the substrate or a PE coating, subject to the packer's assessment. Not for direct food contact unless specified on the TDS.
Swiss Ordinance 817.023.21 Annex 1A	Statement on request
Odour and taint	Fully dried or cured film is low in odour; residual odour indicates under-cure or under-drying.

05 ENVIRONMENT, SUSTAINABILITY AND END OF LIFE

Topic	Status
VOC emission in use	Very low (< 10 % VOC)
Design for recycling (PPWR)	Water-based acrylic binder de-inks in alkaline flotation; supports paper recycling
Carbon footprint	Cradle-to-gate product carbon footprint data per series available on request (ISO 14067 principles).
Waste classification	EWC 08 03 13 (non-hazardous liquid waste); dried film non-hazardous
Packaging	HDPE pails / steel drums / IBC; recyclable after cleaning. Take-back of empty drums on request.

06 DOCUMENTS AVAILABLE ON REQUEST

- Technical Data Sheet UF/TDS/UNISAFE
- Safety Data Sheet UF/SDS/UNISAFE (formulation-specific issue under confidentiality)
- Statement of composition and photoinitiator list (UV grades)
- REACH / SVHC declaration
- RoHS and heavy-metal declaration; EN 71-3 test report where available
- Food-contact and migration statement for the intended pack (low-migration grades)
- Certificate of analysis per batch

Prepared by: Technical Service, Uniform Industries. This summary reflects the regulatory position at the issue date and is reviewed when a referenced regulation or the formulation changes. It is issued in good faith and does not replace the user's own compliance assessment of the finished article.