

COATING ADDITIVES PRODUCTS

ALTERNATIVES TO SILICONE
CONTAINING DEFOAMER &
DEAERATOR

CAN COATING

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Product	Chemical description	Active matter content (%)	Suitability			Listed in USA FDA 175.300	Listed in German BfR XIV and/or XV and/or XXXVI	Listed in China GB 9685-2016	Listed in Mercursor GMC/RES 0212 and/or 39/19
SURFYNOL® 118	Organic based gemini molecular defoamer	100	WB	–	UV	not evaluated	not evaluated	not evaluated	not evaluated
SURFYNOL® DF-110 BC	Acetylenic diol based molecular defoamer	50	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated
SURFYNOL® MD 20	Organic based Gemini molecular defoamer	100	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated
SURFYNOL® 107 L	Organic gemini surfactant	50	WB	SB	–	not evaluated	not in compliance	not in compliance	not evaluated
SURFYNOL® 2502	Acetylenic alkoxyolate based gemini surfactant	100	WB	SB	UV	not in compliance	not in compliance	not in compliance	not in compliance
SURFYNOL® 104	Tetramethyldecynediol, gemini surfactant	100	WB	SB	UV	✓	XXXVI	✓	not in compliance
SURFYNOL® 104 PA	Tetramethyldecynediol, gemini surfactant	50	WB	SB	UV	✓	XXXVI	✓	not in compliance
SURFYNOL® 104 PG 50	Tetramethyldecynediol, gemini surfactant	50	WB	SB	UV	✓	XXXVI	✓	not in compliance
SURFYNOL® 104 Z	Tetramethyldecynediol, gemini surfactant	50	WB	SB	UV	✓	not in compliance	✓	not in compliance
SURFYNOL® 355	Acetylenic-free surfactant	75	WB	–	–	✓	XXXVI	✓	0212 39/19
SURFYNOL® 420	Ethoxylated acetylenic surfactant	100	WB	SB	UV	✓	not in compliance	✓	not in compliance
SURFYNOL® 440	Ethoxylated acetylenic surfactant	100	WB	SB	UV	✓	not in compliance	✓	not in compliance
SURFYNOL® 465	Ethoxylated acetylenic diol surfactant	100	WB	SB	UV	✓	not in compliance	✓	not in compliance
SURFYNOL® 485	Ethoxylated acetylenic surfactant	100	WB	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated

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SURFYNOL® 485 W	Ethoxylated acetylenic surfactant	75	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated
SURFYNOL® 61	3,5-dimethyl-1-hexyn-3-ol	100	WB	SB	–	not evaluated	not evaluated	not evaluated	not evaluated
SURFYNOL® AD 01	Organic gemini surfactant	100	WB	SB	UV	no	not evaluated	not in compliance	not evaluated
SURFYNOL® PSA 336	Acetylenic based formulated surfactant	80	WB	–	–	✓	not in compliance	✓	not evaluated
SURFYNOL® SE-F	Self-emulsifiable acetylenic diol formulated surfactant	80	WB	–	–	✓	not in compliance	✓	not evaluated
TEGO® Wet 500	Non-ionic organic surfactant	100	WB	SB	UV	not in compliance	not in compliance	not in compliance	not in compliance
TEGO® Wet 505	Non-ionic organic surfactant	100	WB	SB	UV	not in compliance	not in compliance	not in compliance	not evaluated
TEGO® Wet 510	Non-ionic organic surfactant	100	WB	–	UV	not in compliance	not in compliance	not in compliance	not evaluated
TEGO® Airex 910	Solution of a polymer	10	–	SB	–	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Airex 920	Organic polymer	100	–	SB	UV	✓	not in compliance	not in compliance	not evaluated
TEGO® Airex 921	Organic polymer	100	–	SB	UV	✓	not in compliance	not in compliance	not evaluated
TEGO® Airex 922	Organic polymer	100	–	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Airex 923	Organic polymer	100	–	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Airex 944	Organic polymers, with a tip of silicone	100	–	SB	–	not evaluated	not evaluated	not evaluated	not evaluated

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TEGO® Airex 971	Solution of a polymer	50	–	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Flow 300	Solution of a polyacrylate	50	–	SB	UV	✓	not in compliance	not in compliance	not in compliance
TEGO® Flow 370	Solution of a polyacrylate	75	–	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Flow 375	Solution of a polyacrylate	60	–	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Flow 380	Organic polymer	100	–	SB	UV	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Foamex 18	Hydrophobic organic polymer, contains hydrophobic particles	100	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Foamex 6	Formulation of hydrophobic components	100	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Foamex 830	Organic polymer, contains fumed silica	100	WB	–	–	✓	XIV, XXXVI	not in compliance	not evaluated
TEGO® Foamex 832	Hydrophobic organic polymer, contains hydrophobic particles	100	WB	–	–	not in compliance	XIV	not in compliance	0212 39/19
TEGO® Foamex 8820	Hydrophobic organic polymer, contains hydrophobic particles	100	WB	–	–	✓	XIV	not in compliance	0212 39/19
TEGO® Foamex 8850	Hydrophobic organic polymer, contains hydrophobic particles	100	WB	–	–	✓	XIV, XXXVI	✓	0212 39/19
TEGO® Foamex 8880	Formulation of hydrophobic components	20	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated
TEGO® Foamex 9	Hydrophobic organic polymer, contains hydrophobic particles	100	WB	–	–	not evaluated	not evaluated	not evaluated	not evaluated



For detailed information of the food contact status, please refer to the online available food contact statements! Please note, that products which are not intended to be used in specific application don't need to be compliant with Regulations applicable for these applications (e.g. Silikofalts are not intended for printing inks and therefore don't need to be compliant with the Swiss Ordinance)

(1) **Swiss Ordinance SR.817.023.21 (ANNEX 10)** (latest published version)

Please be aware that not all substances of a product need to be listed in the positive lists of Annex X, some are exempt (e.g. catalysts), but all known substances have been checked for suitability in food packaging inks.

Part A means that all components (additives and/or monomers) are listed in Annex 10 in the lists for evaluated (A) substances. Some of them do not have any SML or restriction/ specification, while others do.

Part B means that all components (additives and/or monomers) are listed in Annex 10 in the lists for not evaluated (B) substances for which a Migration Limit of 10ppb applies.

Part A+B means that all components (additives and/or monomers) are listed in Annex 10 in the lists for evaluated (A) or not evaluated (B) substances.

Some of them do not have any SML or restriction/specification, while others do.

(2) **German Ink Ordinance (GIO) / (BedGgstV)** (latest published version)

Indirect (I) means that product is in compliance with the compositional requirements for printing inks not intended for direct contact with food as defined in German BedGgstV.

Migration of single components must not exceed 10 µg/kg food.

Direct (D), Indirect (I) means that the product may be used for the manufacturing of printing inks for packaging intended for direct and indirect contact with food as defined in the German BedGgstV.

Specific Migration Limits (SML) or restrictions may apply.

(3) **BfR Recommendation XIV or XV or XXXVI**

Please be aware that BfR-Recommendations are not Regulations. Substances listed in BfR-Recommendations can be considered as safe and suitable for the application (e.g. paper in contact with food). However, other substances listed or evaluated in other jurisdictions and which suit Art.3 of the Framework Regulation (EU) 1935/2004 for the same application, can also be used even though they may be not listed in the BfR-Recommendation.

(4) **EU: Regulation 10/2011 (PIM)** (latest published version)

The Plastics Regulation regulates plastics, however, it is common sense that substances listed here, can be considered safe for coatings and printing inks. Substances not listed in the PIM are not automatically non-suitable for food contact coatings or inks. In absence of the harmonized legislation on EU level Member state positive lists can be used to define that a particular substance is safe and suitable for food contact coatings (Art.3 of the Framework Regulation (EU) 1935/2004). Products are in compliance either as Additive (AD) or Polymer (PO). SML/restrictions may apply.

(5) **China**

In compliance with **GB 9685 – 2016 as Additive (A)**. Specific Migration Limits (SML) or restrictions may apply.

In compliance with **GB 4806-10 as Resin (R)** Specific Migration Limits (SML) or restrictions may apply.

(6) **USA: FDA 21 CFR**

The individual FDA Status of a substance that is reasonably expected to migrate to food because of its intended use in the food contact material shall be covered by one of the following:

Listing in Title 21 Code of Federal Regulations (the mentioned chapters), meeting the criteria for GRAS status, a prior sanction letter, a Threshold of Regulation (TOR) exemption request or an effective Food Contact Substance Notification (FCN). If the product is not directly compliant with a chapter, please contact us to elaborate further options to establish a suitable FDA-Status. The in the table mentioned chapter may be connected to specifications or restrictions.

(7) **Mercosur**

Product is in compliance for Coatings under MERCOSUR/GMC/RES. No. 39/19 superseding MERCOSUR/GMC/RES. No. 32/07 – MERCOSUR Technical Regulation on the Positive List of Additives for Plastics Materials and/or MERCOSUR/GMC/RES. No. 02/12 – MERCOSUR Technical Regulation on the positive List of monomers. Please refer to our FC information for potential restrictions.

(8) **Nestlé Guidance Note on Packaging Inks** (latest published version)

In with "in compliance" marked products we do not expect the presence of substances which are mentioned in the Nestlé Guidance Note.

"in compliance with*" marked products contain one or more substance(s) mentioned but not prohibited in the lists with respective limits.

(9) **EUPIA Exclusion List** (latest published version)

In with "in compliance" marked products we do not expect the presence of substances which are mentioned in the EUPIA Exclusion List in Selection Criteria C and substances List D to G. "in compliance with*" marked products contain one or more substance(s) mentioned but not prohibited in the lists with respective limits with restrictions). Please refer to our food contact statements.

In case of any questions concerning the provided information or if you need additional advice, you are welcome to contact us:

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