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## GLOBAL CHEMICAL INVENTORIES & PRODUCT REGISTERS

### Chemical inventory status

Country	Status
Europe	all components are listed on EINECS
	Product is a polymer; all REACH-relevant components (monomers and reactants of this polymer) have been registered *
USA	all components are listed on TSCA
Canada	all components are listed on DSL
Japan	all components are listed on ENCS
Australia	all components are listed on AICS
South Korea	all components are listed on ECL
Philippines	all components are listed on PICCS
China	all components are listed on IECSC
Taiwan	all components are listed on TCSI
New Zealand	all components are listed on NZIoC and/or are exempt from registration (non hazardous)

\*) In order to avoid any conflicts with REACH, please make sure that you will be supplied in the future with material manufactured within the European Economic Area (EEA) or imported into the EEA by Evonik Resource Efficiency GmbH in close cooperation with your European Evonik Resource Efficiency supplier contact. In case you purchase this product from outside of EEA and plan to import this to EEA, please be aware of your duties according to REACH regulation.

### Scandinavian Product Register

For registration request please contact us.

### Spanish Poison Center (INTCF)

DRP Code: 17-0039106

## FOOD CONTACT STATUS

Finished food contact materials or articles containing this product as a component, need to comply inter alia with Overall Migration Limit (OML) requirements – as specified in the regulations. Verification of compliance with migration limits (OML and SML) should be carried out in accordance with the rules laid down there. We would like to point out that it is in the sole responsibility of the manufacturer of the final material or article to assure the compliance with the OML/SML requirements under actual and foreseeable conditions of use, and to check it on a regular basis. The manufacturer of food contact materials or articles, containing this product as a component, must in particular ascertain that these finished materials or articles meet the general regulatory requirement that they do not endanger human health, or bring about an unacceptable change in the composition of the food or deterioration in the organoleptic characteristics thereof. All information are intended for persons having the required skill and know-how and do not relieve you from verifying the suitability of the information given for a specific purpose prior to use by testing, which should be carried out only by qualified experts. Use or application of such information is at your sole responsibility and risk, without any liability on the part of Evonik Resource Efficiency GmbH.

## Regulation (EU) 10/2011

TEGO® VariPlus SK as an additive is not in compliance with EU-Regulation 10/2011 on plastic materials and articles intended to come into contact with food and its amendments, as some components are not included in the Union List as such.

## BfR Recommendations

The components of TEGO® VariPlus SK are not in compliance with BfR-Recommendation XIV (polymer dispersions).

The components of TEGO® VariPlus SK are not in compliance with BfR-Recommendation XV (silicones).

## Swiss Ordinance (SR 817.023.21)

TEGO® VariPlus SK is in compliance with the “Ordinance of the FDHA on Materials and Articles (SR 817.023.21)” - status 1 May 2017. All components (additives and / or monomers) are listed in Annex 10 in the lists for evaluated (A) or not evaluated (B) substances.

## 21 CFR FDA Regulations

TEGO® VariPlus SK has not been evaluated regarding FDA regulations!

## China National Food Safety Standard

TEGO® VariPlus SK is not in compliance with China National Food Safety Standards.

## **FURTHER REGULATORY INFORMATION REFERRING TO FINAL MATERIALS OR ARTICLES**

### DIN EN 71-3 : 2013 (Safety of Toys: Migration of certain elements)

Please note, that TEGO® VariPlus SK contains one or more (heavy) metals, which are mentioned in DIN EN 71-3. For details please refer to the chapter Diverse Substances of this document.

Please be aware that DIN EN 71-3 : 2013 sets migration limits of metals for the *finished* toy article.

### Directive 2011/65/EC (RoHS) amended through Directive (EU) 2015/863

We do not expect the presence of substances mentioned in Directive 2011/65/EC amended through Directive (EU) 2015/863 in amounts exceeding the respective limits within this product.

### Council Directive 94/62/EC (packaging and packaging waste)

We do not expect the presence of substances mentioned in Council Directive 94/62/EC in amounts exceeding the respective limits within this product.

## Coalition of North Eastern Governors (CONEG)

We do not expect the presence of substances mentioned in CONEG in amounts exceeding the respective limits within this product.

## California Proposition 65

For information regarding the above mentioned regulation please refer to the US-MSDS under point 15.

## ADDITIONAL INFORMATION

### Biocides Content

Herewith we confirm that we do not use biocides for TEGO® VariPlus SK preservation!

### SVHC substances

We as a supplier of chemical substances or mixtures thereof are obliged to provide our customers with a Safety Data Sheet which includes information, if the product contains dangerous substances in reportable amounts according to EU regulations.

ECHA (European Chemicals Agency) regularly updates its Candidate List of Substances of Very High Concern for Authorization. For information regarding hazardous components of products supplied to you, please refer to our newest EU Safety Data Sheet which will be updated according to the legal obligations.

### VOC (volatile organic compounds) / Semi Volatile compounds (sVOCs)

#### VOC (volatile organic compounds) - content

No data available

#### SVOC content (semi-volatile organic compounds) - content

No data available

## Diverse substances

Unless other stated under "Remarks" we do not expect the presence of the following substances within TEGO® VariPlus SK:

Substance	Remarks
1,2-dichlorobenzene (CAS 95-50-1)	
Acetaldehyde (CAS 75-07-0)	
Acrylates:	
- BDDA (butanediol diacrylate) (CAS 1070-70-8)	
- DEGDA (diethylene glycol diacrylate) (CAS 4074-88-8)	
- 2EHA (2-ethyl hexyl acrylate) (CAS 103-11-7)	
- IDA (iso decyl acrylate) (CAS 1330-61-6)	
- ODA (octyl acrylate) (CAS 2499-59-4)	
- Phenol acrylate (CAS 937-41-7)	
- Phenoxy ethyl acrylate (CAS 48145-04-6)	
- HDDA (1,6 Hexanediol diacrylate) (CAS 13048-33-4)	
- PETA (mixtures of pentaerythritol tri- and tetra-acrylates) (CAS 3524-68-3)	
- TEGDA (tetraethylene glycol diacrylate) (CAS 17831-71-9)	
- TMPTA (trimethylol propane triacrylate) (CAS 15625-89-5)	
- DPGDA (dipropylene glycol diacrylate) (CAS 57472-68-1)	
APEO (alkylphenoethoxylates)	
Aromatic amines	
Aromatic compounds:	
- Benzene (CAS 71-43-2)	
- Ethylbenzene (CAS 100-41-4)	
- Toluene (CAS 108-88-3)	
- Xylene (CAS 1330-20-7)	
- Styrene (CAS 100-42-5)	
- 1,2,4-Trimethylbenzene (CAS 95-63-6)	
- 1,4-Dichlorobenzene (CAS 106-46-7)	
BADGE (Bisphenol A-diglycidylether) (CAS 1675-54-3)	
Bisphenol A (CAS 80-05-7)	
Components derived from animals	
Components derived from plants	
Components derived from genetically modified organisms (GMO)	
Crystalline silica and leucophyllite minerals containing crystalline silica	
DMF (dimethylformamide) (CAS 68-12-2)	
Formaldehyde	approx. 1 ppm
Glycol ethers:	
- EGBE (ethylene glycol butyl ether) (CAS 111-76-2)	
- EGME (ethylene glycol methyl ether) (CAS 109-86-4)	
- EGEE (ethylene glycol ethyl ether) (CAS 110-80-5)	
- EGMEA (ethylene glycol methyl ether acetate) (CAS 110-49-6)	
- EGEEA (ethylene glycol ethyl ether acetate) (CAS 111-15-9)	
- EGDME (ethylene glycol di-methyl ether) (CAS 110-71-4)	
- DEGDME (di-ethylene glycol di-methyl ether) (CAS 111-96-6)	
- DEGME (di-ethylene glycol methyl ether) (CAS 111-77-3)	
- TEGDME (tri-ethylene glycol di-methyl ether) (CAS 112-49-2)	

Halogenated hydro carbons (Group 1-9 according Regulation (EC) No 1005/2009 (substances that deplete the ozone layer) – status September 2009)	
Halogenated organic solvents	
HAP (hazard air pollutant) according U.S. EPA Clean Air Act Section 112(b)(1)	approx. 10 ppm
(Heavy) metals	
- Aluminium	
- Antimony	
- Arsenic	
- Barium	
- Lead	
- Cadmium	
- Chromium (III)	
- Chromium (VI)	
- Mercury	
- Selenium	
- Boron	
- Cobalt	
- Copper	< 1 ppm
- Manganese	
- Nickel	
- Strontium	
- Zinc	
- Tin	
- Tin organic	
IPBC (3-Iodo-2-propynyl-butyl-carbamate) (CAS 55406-53-6)	
Isocyanate	
Melamine (CAS 108-78-1)	
Mineral oil	
Nanomaterials	
N-(3-aminopropyl)-N-dodecylpropane-1, 3-diamine (CAS 2372-82-9)	
NMP (N-methyl-2-pyrrolidone) (CAS 872-50-4)	
Ozone-Depleting Substances according U.S. EPA list, Class I and Class II	
PAH (polycyclic aromatic hydrocarbons)	
PFAS (perfluorinated alkyl sulfonates)	
PFCA (perfluorinated carboxylic acids)	
Photo-initiators	
Phthalates:	
- DEHP (di-2-ethylhexyl phthalate) (CAS 117-81-7)	
- DBP (di-butyl phthalate) (CAS 84-74-2)	
- BBP (benzyl-butyl phthalate) (CAS 85-68-7)	
- DMEP (Bis-(2-methoxyethyl) phthalate) (CAS 117-82-8)	
- DIBP (Diisobutylphthalate) (CAS 84-69-5)	
- DIHP (Di-C6-8-branched alkylphthalates)	
- DHNUP (Di-C7-11-branched alkylphthalates)	
- DHP (Di-n-hexylphthalate) (CAS 84-75-3)	
Tetrachloroethylene (CAS 127-18-4)	
VAH (volatile aromatic hydrocarbon)	
Zinc oxide (CAS 1314-13-2)	

## OTHER REGULATIONS

For the following Regulation detailed information are available on request.

- Conflict Minerals

Should you require any additional information regarding the regulatory status of TEGO® VariPlus SK, please do not hesitate to contact us!

## Disclaimer

The information given above is based on and represents our current compositional knowledge (based on the knowledge of the production process, supplier information for raw materials and analytical data where applicable).

Please note that Evonik Resource Efficiency GmbH does not analyse whether the mentioned substances are contained, because the content of such substances is not part of our product specification or formulation.

We use raw materials of technical purity, therefore negligible amounts on the level of natural / technical impurities cannot be excluded.

In case of provided values these are considered to be typical concentrations and are not part of the product specification.

All provided information is based on our present knowledge and experience and is true and complete to the best of our knowledge and belief. However, no warranty, whether expressed or implied, or guarantee of product properties in the legal sense is intended or implied.

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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