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## GLOBAL CHEMICAL INVENTORIES & PRODUCT REGISTERS

### Chemical inventory status

Country	Status
Europe	all components are listed on EINECS The REACh- relevant substance(s) are 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)

For registration request please contact us.

## FOOD CONTACT STATUS

We do not expect the use of this product in applications / materials intended to come into contact with food. In case information concerning food contact status is obligatory please contact us.

## FURTHER REGULATORY INFORMATION REFERRING TO FINAL MATERIALS OR ARTICLES

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

We do not expect the presence of substances mentioned in DIN EN 71-3: 2013 in amounts exceeding the respective limits within SURFYNOL® 104 PG.

## 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 SURFYNOL® 104 PG 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

Determination via ASTM D6886-14: approx. 15%

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

Determination via theoretical calculation: approx. 100%

## Diverse substances

Unless other stated under "Remarks" we do not expect the presence of the following substances within SURFYNOL® 104 PG:

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	
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)	impurity at approx. <0.09%
(Heavy) metals	
- Aluminium	
- Antimony	
- Arsenic	
- Barium	
- Lead	
- Cadmium	
- Chromium (III)	
- Chromium (VI)	
- Mercury	
- Selenium	
- Boron	
- Cobalt	
- Copper	
- 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 SURFYNOL® 104 PG, 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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