

TABLE OF CONTENTS

Global Chemical Inventories	1
Country Product Registers	1
Scandinavian Product Register	1
Spanish Poison Center (INTCF)	2
Food Contact Status	2
Ecolabel Status	2
Further regulatory Information referring to final materials or articles	2
DIN EN 71-3 : 2013 (Safety of Toys: Migration of certain elements)	2
US ASTM - F 693 (Safety of Toys)	2
Maine CHCC (Safety of Toys)	2
Vermont CHCC (Safety of Toys)	2
Washington State CHCC (Safety of Toys)	2
Directive 2011/65/EC (RoHS) amended through Directive (EU) 2015/863	3
Council Directive 94/62/EC (packaging and packaging waste)	3
Coalition of North Eastern Governors (CONEG)	3
California Proposition 65	3
Additional information	3
Biocides Content	3
SVHC substances	4
Volatile Organic Compounds (VOC) / Semi-Volatile Organic Compounds (SVOC)	4
Diverse substances	5
Further information	7

GLOBAL CHEMICAL INVENTORIES

Last revision for this chapter was on 2021-01-26

The below country inventory information results from a set of confidential data. If required, necessary data can be made available to the country authorities directly.

Country / region	Status
European Union	all components are listed on EINECS or ELINCS Product is a mixture, which contain polymer(s); all REACH-relevant components like substances, monomers and reactants of polymer(s) have been registered *
USA	components are exempted polymer(s) or are listed on the TSCA Inventory Reset
Canada	all components are listed on DSL or NDSL
Japan	import permission for some designated importers only **
Australia	one or more component(s) are not listed on AIIIC
South Korea	one or more component(s) are not listed on ECL, but registered in K-REACH (For some designated importers only)
Philippines	one or more component(s) are not listed on PICCS
China	one or more component(s) are not listed on IECSC
Taiwan	all components are listed on TCSI
New Zealand	one or more hazardous component(s) are not listed on NZIoC
Turkey	all relevant components are pre-registered in KKDIK
Vietnam	all components are already listed in the latest draft version of NCI or have been reported to the Vietnam authorities
Eurasian Economic Union	the relevant components were reported to the inventory of chemicals and mixtures of the Eurasian Economic Union. (EAEU inventory)

*) 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 Operations GmbH in close cooperation with your European Evonik Operations 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.

***) Import permission(s) in favor of certain Evonik affiliates and distributors have been granted (resulting in present regional availability via our local affiliates or distributors respectively).

COUNTRY PRODUCT REGISTERS

Last revision for this chapter was on 2021-01-26

Scandinavian Product Register

Arbejdstilsynet Denmark: PR-4183853

Swedish Chemicals Agency (KEMI): not yet registered

Norwegian Environment Agency: not yet registered

Spanish Poison Center (INTCF)

For registration request please contact us.

FOOD CONTACT STATUS

The business line Coating Additives of Evonik has prioritized certain products for food contact applications. Statements of those specified products which have been evaluated and offer food contact compliances are available in a separate document on our website.

ECOLABEL STATUS

The business line Coating Additives of Evonik has prioritized certain products for ecolabel applications. Statements of those specified products which have been evaluated and offer ecolabel compliances are available in a separate document on our website.

FURTHER REGULATORY INFORMATION REFERRING TO FINAL MATERIALS OR ARTICLES

Last revision for this chapter was on 2021-01-26

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 TEGO® Phobe 1650.

US ASTM - F 693 (Safety of Toys)

We do not expect the presence of substances mentioned in US ASTM - F 693 in amounts exceeding the respective limits within TEGO® Phobe 1650.

Maine CHCC (Safety of Toys)

TEGO® Phobe 1650 is not compliant to Maine CHCC.

Vermont CHCC (Safety of Toys)

TEGO® Phobe 1650 is not compliant to Vermont CHCC.

Washington State CHCC (Safety of Toys)

We do not expect the presence of substances mentioned in Washington State CHCC in amounts exceeding the respective limits within TEGO® Phobe 1650.

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

Last revision for this chapter was on 2021-08-27

Please be informed that we use biocides for preservation of our TEGO® Phobe 1650. Please find detailed information regarding the used substances below:

Substance	CAS number	amount in %
MIT (3(2H)-Isothiazolone, 2-methyl-)	2682-20-4	
BIT (1,2-Benzisothiazol-3(2H)-one)	2634-33-5	0.0160
Zincpyrithione (Zinc, bis(1-hydroxy-2(1H)-pyridinethionato-O,S)-, (T-4)-)	13463-41-7	
Sodiumpyrithione (Sodium 1-hydroxy-2(1H)-pyridinethionate)	3811-73-2	
CIT/MIT 3:1 (5-Chlor-2-methyl-isothiazolin-3-on / 2-Methyl-isothiazolin-3-on, 3:1)	55965-84-9	0.0012
Bronopol	52-51-7	
OIT (Octhilinone)	26530-20-1	

Product contains approx 0.1 ppm Sodiumpyrithione (Sodium 1-hydroxy-2(1H)-pyridinethionate), CAS# 3811-73-2 as component of a raw material.

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.

Volatile Organic Compounds (VOC) / Semi-Volatile Organic Compounds (SVOC)

VOC (volatile organic compounds) - content

Last revision for this chapter was on 2021-01-26

Determination via DIN ISO 11890/2: approx. 0.3 %

Determination via 3h/105°C: approx. 0.3 %

SVOC (semi-volatile organic compounds) - content

Determination via DIN ISO 11890/2: approx. 0.7 %

Diverse substances

Last revision for this chapter was on 2021-08-27

Unless other stated under "Remarks" we do not expect the presence of the following substances within TEGO® Phobe 1650.

If desired substance is not found by name search by substance's CAS #. Use Ctrl + F to search document.

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 hexy 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)	
Allergenic Fragrances (EG 1223/2009, Article 19)	
APEO (alkylphenolethoxylates)	
Primary aromatic amines	
Aromatic compounds:	
- Benzene (CAS 71-43-2)	
- BHA (Butylated hydroxyanisol) (CAS 25013-16-5)	
- BHT (Butylated hydroxytoluene) (CAS 128-37-0)	
- 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)	
Asbestos	
Azo dyes	
BADGE (Bisphenol A-diglycidylether) (CAS 1675-54-3)	
Bisphenol A (CAS 80-05-7)	
Bisphenol F (CAS 620-92-8)	
Bisphenol S (CAS 80-09-1)	
Components derived from animals	
Components derived from plants	approx. 1 %
Components derived from genetically modified organisms (GMO)	
Crystalline silica and leucophyllite minerals containing crystalline silica	
Cyanuric acid (CAS 108-80-5)	
DMF (dimethylformamide) (CAS 68-12-2)	

Ethanol (CAS 64-17-5)	aprox. 1.1 %
Food Allergens (EU Reg. 1169/2011)	
Formaldehyde (CAS 50-00-0)	
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 compounds	aprox. 12 ppm (from biocide)
HAP (hazard air pollutant) according U.S. EPA Clean Air Act Section 112(b)(1)	
(Heavy) metals and their compounds	
- 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)	
Natural rubber or dry rubber latex	
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	
Phthalate compounds	
- 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)	
- DCHP (dicyclohexyl phthalate) (CAS 84-61-7)	
- DMEP (Bis-(2-methoxyethyl) phthalate) (CAS 117-82-8)	
- DIBP (Diisobutylphthalate) (CAS 84-69-5)	
- DIDP (diisodecyl phthalate) (CAS 26761-40-0)	
- DIHP (Di-C6-8-branched alkylphthalates)	
- DINP (2-diisononyl phthalate) (CAS 28553-12-0)	
- DHNUP (Di-C7-11-branched alkylphthalates)	
- DHP (Di-n-hexylphthalate) (CAS 84-75-3)	
- DNOP (di-n-octyl phthalate) (CAS 117-84-0)	
- DPENP (di-n-pentyl phthalate) (CAS 131-18-0)	
Pigments	
Plasticizers	
- Chlorinated naphthalenes	
- Chlorinated paraffines (CAS 85535-85-9, 85535-84-8)	
- Monocresyl phosphate (CAS 26444-49-5)	
- Tricresyl phosphate (CAS 1330-78-5)	
- Monocresyl diphenyl phosphate (CAS 26444-49-5)	
PVC (Polyvinylchloride) (CAS 9062-86-2)	
Radioactive substances	
Rare earth metals	
Tetrachloroethylene (CAS 127-18-4)	
VAH (volatile aromatic hydrocarbon)	
Zinc oxide (CAS 1314-13-2)	

FURTHER INFORMATION

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® Phobe 1650, 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 Operations 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:

Evonik Operations GmbH
Specialty Additives | Coating Additives
Goldschmidtstraße 100
45127 Essen
Germany
www.evonik.de
www.coating-additives.com

Please contact for region Europe, Middle East, Russia and Africa
regulatory-coating-additives-europe@evonik.com

Please contact for region Americas
regulatory-coating-additives-americas@evonik.com

Please contact for region Asia, Australia and New Zealand
regulatory-coating-additives-asia@evonik.com