

Product Name: ACEMATT® 3600
Chemical Name: Silicon dioxide, chemically prepared / Siliconopolyetheracrylates
CAS-No.: 112926-00-8, 7631-86-9 / no CAS-No
Customs Tariff Number 382499

How to find information in this document

This document is an Adobe standard document. Please press the buttons “Strg” and “F” on your keyboard for opening the search function. Now type the search item in the box and press Enter.

Above mentioned product was developed for technical purposes. It is not intended to be used as additive in plastic materials in food contact according to European or US Regulations.

Safety of toys – directive 2009/48/EG, EN 71-3

Concerning the qualification for above mentioned application please visit the chapters Heavy metals and Substance declaration.

Heavy metals and other metal traces

In the production process of above mentioned product we do not intentionally use or add any heavy metal constituents. The overall content of these elements, in their entirety, lies below 100 ppm and is therefore in line with the limits set by the EU Packaging Directive 94/62/EU.

It is also compliant with the requirements of the Coalition of Northeastern Governors (CONEG) model legislation limiting heavy metals (January 1994) as well as the Consumer Product Safety Improvement Act of 2008 (H.R. 4040 – Public Law No. 110-314, August 14, 2008) establishing consumer product safety standards and other safety requirements for children’s product.

Heavy metals:

Cadmium (Cd)	Chromium, total (Cr)	Mercury (Hg)	Lead (Pb)
≤ 1 ppm	≤ 10 ppm	≤ 1 ppm	≤ 5 ppm

Other metal-traces:

Antimony (Sb)	Arsenic (As)	Selenium (Se)	Barium (Ba)	Zinc (Zn)	Iron (Fe)	Copper (Cu)	Nickel (Ni)
≤ 5 ppm	≤ 3 ppm	≤ 1 ppm	≤ 50 ppm	≤ 10 ppm	≤ 400 ppm	≤ 6 ppm	≤ 3 ppm

(The analysis for heavy metals is not part of our standard quality and production analyses. The limits given represent mean values from arbitrarily selected samples, but do not represent any specifications.)

Registration Status

Above mentioned product is registered in the following inventories:

Australia	AICS (Australian Inventory of Chemical Substances)	registered
Canada	DSL (Domestic Substance List)	registered
China	IECSC (Inventory of Existing Chemical Substances)	registered
Europe	EC (European Community)	registered
Europe	REACH (Registration, Evaluation, Authorisation and Restrictions of Chemicals)	registered
Japan	ENCS (Existing and New Chemical Substances)	registered
Korea	KECI (Korea Existing Chemicals Inventory)	registered
New Zealand	NZIoC (New Zealand Inventory of Chemicals)	registered
Philippines	PICCS (Philippine Inventory of Chemicals and Chemical Substances)	registered
USA	TSCA (Toxic Substances Control Act)	registered

Amorphous structure

Synthetic amorphous silica manufactured by flame hydrolysis or by precipitation in an aqueous solution is characterized by its amorphous structure. The determination method used on typical samples is enrichment of the crystalline fraction followed by X-ray Diffraction. The detection limit of this method is less than 0.01% by weight. The determination of arbitrarily selected samples shows no crystalline fraction above the detection limit. Under consideration of this result above mentioned silica are considered to be amorphous.

Above mentioned product is a preparation with the main ingredient silicon dioxide, chemically produced.

Information on REACH / Substances of Very High Concern (SVHC)

According to regulation (EU) 1907/2006 (REACH) substances of very high concern (SVHC) must be mentioned in the safety data sheet (SDS) when the content is above the threshold limit of 0.1% w/w. Please visit the current safety data sheet for more information regarding this issue.

Please use the following e-mail address to order the current SDS: sds-hu@evonik.com

Information on REACH / PBT- and vPvB – substances

Above mentioned products is not a PBT, vPvB substance as per the criteria of the REACH Regulation.

Information on REACH / Annex XVII (formerly directive 76/769/EEC)

The above mentioned product is not a substance and does not contain any substances that are subject to authorization and/or restriction according to Annex XIV or Annex XVII (formerly Directive 76/769/EEC) of the REACH regulation, respectively. However, testing of these substances is not part of our standard routine quality control and production testing procedures.

RoHS and WEEE Directives

The above mentioned product fulfils the limitations and requirements of the EU-Directives 2011/65/EU (RoHS), 2012/19/EU (WEEE) and amendments. It is chemically produced. In the production process we do not use or intentionally add the following substances:

pentabromodiphenylether, octabromodiphenylether, lead, cadmium, chromium (total), mercury, polybrominated biphenyls (PBB's), polybrominated diphenylethers (PBDE), chlorinated organic compounds, such as PCB, PCN, CP, mirex, organic tin compounds, asbestos, azo compounds, polyvinyl chloride (PVC) and PVC-blends.

The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

California List of Chemicals, Proposition 65 (USA)

In the production process of above mentioned product we do not intentionally use or add any of the substances on the California list of chemicals (USA), Proposition 65, published November 2017. The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

Oeko-Tex Standard 100

For limit values please visit the chapters Heavy metals, C.M.R. classified substances and Substance declaration.

C.M.R. classified substances

On the basis of our data, above mentioned product is classified as a non-hazardous substance as defined by CLP directive 1272/2008/EC. It is not carcinogenic, mutagenic or toxic for reproduction. Above mentioned product is a pure substance. During the production process of above mentioned product we do not intentionally use or add any C.M.R. classified substances mentioned in the EU-Directives 2003/34/EC and 2003/36/EC.

The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

Community eco-label to outdoor and indoor paints according to Commission Decision 2014/312/EU

- **Criterion 4 – Content of Volatile and Semi-volatile Organic Compounds (VOCs, SVOCs)**
 - The content of VOC's ($\leq 0,2\%$) and SVOC's ($\leq 0,2\%$) of the above mentioned product were checked as mean-values of arbitrarily selected samples; they are therefore physical-chemical benchmarks (approximate values), and not specifications.
 - The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.
- **Criterion 5 – Restriction of hazardous substances and mixtures**
 - Above mentioned product is not a hazardous substance and not listed as SVHC-Substance. Please visit the product safety information and safety data sheet for detailed information.

“Substance declaration”

During the production process of the above mentioned product we do not intentionally use or add any of the following substances:

- 1,2-dichlorobenzene (CAS 95-50-1)
- Acetaldehyde (CAS 75-07-0)
- APEO (alkylphenoethoxylates)
- APEOs (alkylphenoethoxylates)
- BADGE (Bisphenol A-diglycidylether) (CAS 1675-54-3)
- Biocides which separate Formaldehyde
- Bisphenol A (CAS 80-05-7)
- Components derived from animals
- Components derived from genetically modified organisms (GMO)
- Crystalline silica and leucophyllite minerals containing crystalline silica
- DMF (dimethylformamide) (CAS 68-12-2)
- Formaldehyde
- Formaldehyde-donors
- Halogenated hydro carbons (Group 1-9 according Regulation (EC) No 1005/2009 (substances that deplete the ozone layer) – status September 2009)
- Halogenated organic solvents
- IPBC (3-Iodo-2-propynyl-butyl-carbamate) (CAS 55406-53-6)
- Isocyanate
- Isothiazolinone
- Melamine (CAS 108-78-1)
- N-(3-aminopropyl)-N-dodecylpropane-1, 3-diamine (CAS 2372-82-9)
- Nanomaterials
- NMP (N-methyl-2-pyrrolidone) (CAS 872-50-4)
- PFAS (perfluorinated alkyl sulfonates)
- PFCA (perfluorinated carboxylic acids)
- Photo-initiators
- Phthalates (esters of phthalic acid)
- Tetrachloroethylene (CAS 127-18-4)
- Tributyl tins
- Triphenyl tins
- VAH (volatile aromatic hydrocarbon)
- Volatile aromatic compounds
- Zinc oxide (CAS 1314-13-2)
- Zinc pyrithione (CAS 13463-41-7)
- Following 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)
- Following 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)
- Following 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)
- Following 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)

The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

The following information can be found in our Safety Data Sheet (SDS):

Hazard Identification, Composition/Information on Ingredients, REACH-Registration number (if available), (SVHC) Substances of high concern (if applicable), First Aid, Fire Fighting Measures, Accidental release measures, Handling and Storage, Exposure Control/Personal Protection, Physical and Chemical Properties, Stability and Reactivity, Toxicological and Ecological Information, Disposal Considerations, Risk Information (e.g. Transportation, Labeling, Risk Phrases). The Water Hazard Class (WGK) is only in the German version of the safety data sheet available. Please, pay attention to the national edition of the SDS! The following e-mail address should be used in order to request the SDS: sds-hu@evonik.com

Evonik Resource Efficiency GmbH

This document was created electronically and therefore, is not signed.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Instead of the disclaimer above the following disclaimer applies in the countries USA, Canada and Mexico:

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent.

Evonik Resource Efficiency GmbH | Environment, Safety, Health & Quality | Product Safety | Special Regulations and Applications |
Rodenbacher Chaussee 4 | 63457 Hanau-Wolfgang | Germany

Friederike Bühre-Weck (Mrs.) Phone: +49 6181 59-2086
Fax: +49 6181 59-72086
E-mail: friederike.buehre-weck@evonik.com

Lothar Krahl (Mr.) Phone: +49 6181 59-3070
Fax: +49 6181 59-73070
E-mail: lothar.krahl@evonik.com

Evonik Resource Efficiency GmbH | Rellinghauser Straße 1-11 | 45128 Essen | Germany | www.evonik.com

Supervisory Board: Dr. Harald Schwager, Chairman; Managing Directors: Dr. Claus Rettig, Chairman, Dr. Johannes Ohmer, Simone Hildmann, Alexandra Schwarz

Registered Office Essen, Register Court, City Local Court Essen, Commercial Registry B 25783

Legend

BfR: Bundesinstitut für Risikobewertung
CAS: Chemical Abstract Services Register Number
CoE: Council of Europe
CONEG: Coalition of Northeastern Governors
FDA: Food and Drug Administration
INCI: International Nomenclature Cosmetic Ingredients
JHOSPA: Japan Hygienic Olefin and Styrene Plastics Association
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative