

Product Safety Information

Evonik Operations GmbH

Product Name:	ACEMATT® 3400
Chemical Name:	Silicon dioxide, chemically prepared / Polysiloxane
CAS-No.:	112945-52-5, no CAS-No
Customs Tariff Number:	382499

How to find specific information in this document

This document is an Adobe standard document. Please press the buttons "Strg / Ctrl" and "F" on your keyboard to open the search function, type the search item in the box and press Enter.

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 0.1% by weight. The determination of arbitrarily selected samples shows no crystalline fraction above the detection limit. Under consideration of this result above mentioned silica is considered to be amorphous.

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'.

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 (≤ 0.2 %) and SVOC's (≤ 0.2 %) of this 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

This 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.

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

This product is not a PBT, vPvB substance as per the criteria of the REACH Regulation.

Information on REACH / Annex XIV or Annex XVII

This product is not a substance and does not contain any substances subject to authorization and/or restriction according to Annex XIV or Annex XVII of the REACH Regulation (EC) No. 1907/2006, respectively. However, testing of these substances is not part of our standard routine quality control and production testing procedures.

RoHS and WEEE Directives

This 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 (PBBs), polybrominated diphenylethers (PBDE), Di(2-ethylhexyl)phthalate (DEHP), Butylbenzylphthalate (BBP), Dibutylphthalate (DBP), Diisobutylphthalate (DIBP), 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.

C.M.R. classified substances

The following EU-Directives are since 2008 no longer in force:

2003/34/EC, 2003/36/EC and 76/769/EEC ("restrictions of dangerous substances and preparations"). This class of substances is now regulated under REACH-SVHC.

“Substance declaration”

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

APEOs (alkylphenolethoxylates)

PFAS (perfluorinated alkyl sulfonates)

PFCA (perfluorinated carboxylic acids)

PFOA (perfluorooctanoic acid)

Formaldehyde

Halogenated organic solvents

Phthalates:

DNOP (di-n-octyl phthalate) (CAS 117-84-0)

DINP (di-iso-nonyl phthalate) (CAS 28553-12-0 or 68515-48-0)

DIDP (di-iso-decyl phthalate) (CAS 68515-49-1 or 26761-40-0)

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)

Methyl ethyl ketoxime (CAS 96-29-7)

1,2-dichlorobenzene (CAS 95-50-1)

Formaldehyde-donors

Phthalates

Triphenyl tins

Tributyl tins

Photo-initiators

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)

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)

Bisphenol A (CAS 80-05-7)

BADGE (Bisphenol A-diglycidylether) (CAS 1675-54-3)

Biocides which separate Formaldehyde

Acetaldehyde (CAS 75-07-0)

Tetrachloroethylene (CAS 127-18-4)

Isocyanate

Melamine (CAS 108-78-1)

Aromatic components:

Benzene (CAS 71-43-2)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

1,2,4-Trimethylbenzene (CAS 95-63-6)

1,4-Dichlorobenzene (CAS 106-46-7)

Ethylbenzene (CAS 100-41-4)

Styrene (CAS 100-42-5)

Aromatic amines

DMF (dimethylformamide) (CAS 68-12-2)

NMP (N-methyl-2-pyrrolidone) (CAS 872-50-4)

Residual free monomers

Fragrances

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.

Registration Status

The 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 in China)	registered
Europe	REACH - all basic substances and treatment agents are registered and therefore it is	registered
Europe	EC (European Community)	registered
Japan	ENCS (Existing and New Chemical Substances)	registered (components registered)
Korea	KECI (Korea Existing Chemicals Inventory)	registered
Philippines	PICCS (Philippine Inventory of Chemicals and Chemical Substances)	registered
USA	TSCA (Toxic Substances Control Act)	registered

The following information is available 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

Heavy metals and other metal traces

In the production process of this 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).

Heavy metals

Substance	Concentration
Cadmium (Cd)	≤ 1 ppm
Chromium, total (Cr)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 1 ppm

Other metal-traces

Substance	Concentration
Antimony (Sb)	≤ 1 ppm
Arsenic (As)	≤ 1 ppm
Selenium (Se)	≤ 1 ppm
Barium (Ba)	≤ 1 ppm
Zinc (Zn)	≤ 1 ppm
Iron (Fe)	≤ 1 ppm
Copper (Cu)	≤ 1 ppm
Nickel (Ni)	≤ 1 ppm

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

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Registered Office: Essen | Register Court: Essen | Local Court | Commercial Registry B 20227

Legend

BfR:	Bundesinstitut für Risikobewertung
CAS:	Chemical Abstract Services Register Number
CoE:	Council of Europe
CONEG:	Coalition of Northeastern Governors
CosIng	European Commission database for information on cosmetic substances and ingredients
FDA:	Food and Drug Administration
FSMA	Food safety modernisation act
INCI:	International Nomenclature Cosmetic Ingredients
JHOSPA:	Japan Hygienic Olefin and Styrene Plastics Association
PBT:	Persistent, Bioaccumulative, Toxic
PCPC	Personal Care Products Council
SAS:	Synthetic Amorphous Silicon dioxide, Synthetic Amorphous Silica
vPvB:	very Persistent, very Bioaccumulative