

January 27, 2021

ACEMATT® 3400

2014/312/EU

Function

Matting agent

Physical / Chemical properties

Please refer to our Technical Data Sheet as well as our Safety Data Sheet concerning relevant physical & chemical characteristics.

Chemical name:

Thermal silicon dioxide, chemically prepared CAS# 112926-00-8, treated with polysiloxane.

ACEMATT® 3400 has not been classified as hazardous according to the legislation in force.

REACH / SVHC

Please refer to EU-SDS on our homepage:

<https://www.productcenter.coating-additives.com/productcenter/prodlist.php>

Content of Hazardous components

ACEMATT® 3400 contains the following dangerous ingredients above 0.01% according to Regulation (EC) No. 1272/2008 [CLP] which are subject to restrictions according to Ecolabel (2014/312/EU) because of their GHS classification:

Chemical Name	CAS-No.	Content %	Classification	Notes
Octadecan-1-ol, ethoxylated, < 2.5 EO*	9005-00-9	< 0.3	H411, 2 Aquatic Chr.	surfactant*

*Please note that this component is a surfactant. For the specified concentration limits of the surfactants please refer to the Appendix 4 (a) of *5(a)(i) Derogations applying to substance groups* of Ecolabel (2014/312/EU).

Absence of substances

We do not expect the presence of following substances within ACEMATT® 3400:

- Isothiazolinone compounds:
 - 2-octyl-2H-isothiazol-3-one (OIT)

- 5-chloro-2-methyl-isothiazolin-3-one / 2-methyl-4-isothiazolin-3-one (CMI/MIT mix)
- 3-iodo-2-propynyl butylcarbamate (IPBC)
- Zinc pyrithione
- N-(3-aminopropyl)-N-dodécylpropane-1, 3-diamine
- Zinc oxide
- Alkylphenoethoxylates (APEOs) and their derivatives
- Long chain perfluorinated surfactants :
 - Perfluorocarboxylic acids
 - Perfluoroalkyl sulfonates
- Phthalates:
 - DEHP (Bis-(2-ethylhexyl)-phthalate)
 - BBP (Butylbenzylphthalate)
 - DBP (Dibutylphthalate)
 - DMEP (Bis(2-methoxyethyl) phthalate)
 - DIBP (Diisobutylphthalate)
 - DIHP (Di-C6-8-branched alkylphthalates)
 - DHNUP (Di-C7-11-branched alkylphthalates)
 - DHP (Di-n-hexylphthalate)
- Adipic acid dihydrazide (ADH)
- Methanol
- Formaldehyde
- Volatile Aromatic Hydrocarbons
- Halogenated solvents

Metals and their compounds (cadmium, lead, chromium VI, mercury, arsenic, barium, selenium, antimony and cobalt)

In the manufacturing process we do not intentionally use or add any heavy metals and their constituents. The overall content of these elements, in their entirety, lies below 100 ppm.

The amount of measured metals (traces):

- Cadmium (Cd): ≤ 1 ppm
- Chromium, total (Cr): ≤ 1 ppm
- Mercury (Hg): ≤ 1 ppm
- Lead (Pb): ≤ 1 ppm
- Antimony (Sb): ≤ 1 ppm
- Arsenic (As): ≤ 1 ppm
- Selenium (Se): ≤ 1 ppm
- Barium (Ba): ≤ 1 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

Nanomaterials according to Commission Recommendation 2011/696/EU (adapted to the REACH)

This product meets the definition of nanomaterials set out in Recommendation 2011/696/EU.

Crystalline silica and leucophyllite minerals containing crystalline silica

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.

Biocides

Please note that ACEMATT® 3400 contains following biocides:

Substance	CAS-No.	Amount [%]
1,2-Benzisothiazol-3(2H)-one	2634-33-5	< 0.0035
2-Methyl-2H-isothiazol-3-on	2682-20-4	< 0.007

VOC (volatile organic compounds) – content

Determined by calculation based on the ingredients and raw materials: ≤ 0.2%

SVOC (semi volatile organic compounds) – content

Determined by calculation based on the ingredients and raw materials: ≤ 0.2%

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:

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