

SURFYNOL® MD-20

Raw material statement for Paints and varnishes applications based on Commission Decision EU Ecolabel 2014/312/EU

Function

Defoamer/deaerator for waterborne formulations

Physical / Chemical properties

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

Content of hazardous components

SURFYNOL® MD-20 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
Oxirane, 2-[[[(2-ethylhexyl)oxy)methyl]-, reaction products with polyethylene glycol ether with 2,4,7,9-tetramethyl-5-decyne-4,7-diol	857892-58-1	approx. 98	H411, 2 Aquatic Chr.	surfactant*
Poly(oxy-1,2-ethanediyl), a,a'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-butyne-1,4-diyl]bis[hydroxy-	9014-85-1	approx. 2	H332, 4 Acute Tox. H318, 1 Eye dam. H412, 3 Aquatic Chr.	surfactant*
Conf.	conf.	<0.1	H315, 2 Skin Irrit. H317, 1 Skin Sens.	impurity

*Please note that these components are surfactants. 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).

The substances classified as H319, H332 & H 315 are not subjects to any restrictions according to Ecolabel (2014/312/EU).

REACH / SVHC

Please refer to Regulatory Data Sheet and EU-SDS on our homepage:

<https://www.coatino.com/en/product-list>

Absence of substances

We do not expect the presence of following substances within SURFYNOL® MD-20:

- Isothiazolinone compounds:
 - 2-methyl-2H-isothiazol-3-one (MIT)
 - 1,2-benzisothiazol-3(2H)-one (BIT)
 - 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
- Metals and their compounds:
 - Cadmium, lead, chromium VI, mercury, arsenic, barium, selenium, antimony and cobalt
- Crystalline silica and leucophyllite minerals containing crystalline silica
- 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)
- Methanol
- Formaldehyde
- Volatile Aromatic Hydrocarbons
- Halogenated solvents
- Nanomaterials

VOC (volatile organic compounds) – content

Determination via DIN EN ISO 11890/2: approx. 7 g/l

SVOC (semi volatile organic compounds) – content

Determination via DIN EN ISO 11890/2: approx. 31 g/l

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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