

January 6, 2022

DYNOL™ 360

2014/312/EU

Function

Substrate wetting additive / organic-based gemini surfactant

Physical / Chemical properties

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

REACH / SVHC

Please refer to EU-SDS on our homepage:

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

Content of hazardous components

DYNOL™ 360 contains following dangerous ingredients according to Regulation (EC) No. 1272/2008 [CLP]:

Chemical Name	CAS-No. EC No. REACH-No	Content, %	Classification
1-Octanol, reaction products with epichlorohydrin and 2-mercaptoethanol	928768-73-4 473-730-4 01-0000019854-60	approx. 100	H332, 4 Acute Tox. Inhal. H319, 2 Eye Irrit. H411, 2 Aquatic Chronic

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 DYNOL™ 360:

- Isothiazolinone compounds:
 - 2-methyl-2H-isothiazol-3-one (MIT)
 - 1,2-benzisothiazol-2(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)
- Formaldehyde
- Volatile Aromatic Hydrocarbons
- Halogenated solvents
- Nanomaterials
- Adipic acid dihydrazide (ADH)
- Methanol

VOC (volatile organic compounds) – content

Determination via DIN ISO 11890/2: approx. 6 g/l

SVOC (semi volatile organic compounds) – content

Determination via DIN ISO 11890/2: approx. 900 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:

Evonik Operations GmbH

Specialty Additives | Coating Additives

Goldschmidtstraße 100

45127 Essen

Germany

www.evonik.com

www.coating-additives.com

Please contact for region Europe, Middle East, Russia and Afrika
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