

Product declaration

Gen. information:

Supplier:

Adolf Würth GmbH & Co. KG
Reinhold-Würth-Straße 12-17
74653 Künzelsau

Article information:

Article description:

Flange sealant medium-strength and non-dripping

Würth art. No.:

0893 518 050; 0893 518 250

RoHS (Restriction of Hazardous Substances)/ WEEE (Waste of Electrical and Electronic Equipment)

EU Directive 2011/65/EU, the German Electrical and Electronic Equipment Act (ElektroG), the German Electrical and Electronic Equipment Substances Ordinance (ElektroStoffV) and all previous versions apply.

Yes No

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contains heavy metals

Yes No

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contains lead (Pb) >0.1%

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contains mercury (Hg) >0.1%

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contains cadmium (Cd) >0.1%

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contains chromium VI (Cr(VI)) >0.1%

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contains polybrominated biphenyls (PBB) >0.1%

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contains polybrominated diphenyl ethers (PBDE) >0.1%

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contains phthalates >0.1%

Yes No

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contains di(2-ethylhexyl)phthalates (DEHP) >0.1%

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contains benzyl butyl phthalate (BBP) >0.1%

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contains dibutyl phthalate (DBP) >0.1%

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contains diisobutyl phthalate (DIBP) >0.1%

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contains diisodecyl phthalate (DIDP) >0.1%

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contains diisononyl phthalate (DINP) >0.1%

REACH SVHC (Substances of Very High Concern)

The candidate list of Substances of Very High Concern as defined by the REACH Regulation (Registration, Evaluation, Authorization and Restriction of Chemicals) and its previous versions apply.

Yes No

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contains substances of the REACH candidate list (if yes, specify in Other confirmations)

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contains substances of the REACH authorization list (if yes, specify in Other confirmations)

ODS (ozone depleting substances)

The Montreal Protocol on Substances that Deplete the Ozone Layer and its amendments apply.

Yes	No		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains CFCs	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains halons	
	Yes	No	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains other fully halogenated CFCs
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains carbon tetrachloride
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains 1, 1, 1-trichloroethane (methyl chloroform)
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains hydrochlorofluorocarbons
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains hydrobromofluorocarbons
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains methyl bromide
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains bromochloromethane

PIWS (paint-wetting impairment substances)

Note: This confirmation only applies if the product is used properly. It was only inquired whether no paint-wetting impairment substances were used during manufacturing of the product. The presence of analytically detectable traces of the above mentioned substances, which have possibly been introduced into the product via the raw materials, auxiliaries and additives, cannot be excluded. We recommend a preliminary test before use.

Yes	No		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains PIWS (paint-wetting impairment substances)	
	Yes	No	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains silicone

VOCs (volatile organic compounds)

EU Directives 2004/42/EC and 2010/75/EU apply.

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	contains solvents. If yes, which ones: Ethylene glycol, Cumene
<input checked="" type="checkbox"/>	<input type="checkbox"/>	contains other VOCs. If yes, which ones: Polyethyleneglycol-200-dimethacrylate, α,α -Dimethylbenzylhydroperoxide

MOSH/MOAH (amended by POSH/PAO)

(MOSH: mineral oil saturated hydrocarbons; MOAH: mineral oil aromatic hydrocarbons; POSH: polyolefin oligomeric saturated hydrocarbons; PAO: poly alpha olefin)

The FDA (Food and Drug Administration) Rule 21 CFR 178.3570, studies of the European Food Safety Authority (EFSA), studies of the Federal Institute for Risk Assessment (BfR) and all previous versions apply.

Yes	No		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	The product has an NSF H1 approval (if no, move on to the next item, if yes, please continue)	
	Yes	No	
	<input type="checkbox"/>	<input type="checkbox"/>	contains MOSH (POSH/PAO can also be detected) of the following content:
	<input type="checkbox"/>	<input type="checkbox"/>	contains MOAH of the following content:

GMO (genetically modified organism)

EU Directive 1830/2003 and its previous versions apply.

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains genetically modified organisms

Allergens

Annex II to EU Directive 1169/2011, FALCPA (Food Allergen Labeling and Consumer Protection Act), EC Regulation 1223/2009 on cosmetics and all previous versions apply.

Yes No

☐ ☒ contains cereals containing gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridized strains, and products thereof, except:

- a) wheat-based glucose syrups including dextrose*;
- b) wheat-based maltodextrins*;
- c) glucose syrups based on barley;
- d) cereals used for making alcoholic distillates including ethyl alcohol of agricultural origin.

☐ ☒ contains crustaceans and products thereof.

☐ ☒ contains eggs and products thereof;

☐ ☒ contains fish and products thereof, except:

- a) fish gelatine used as carrier for vitamin or carotenoid preparations;
- b) fish gelatine or isinglass used as fining agent in beer and wine.

☐ ☒ contains peanuts and products thereof.

☐ ☒ contains soybeans and products thereof, except:

- a) fully refined soybean oil and fat*
- b) natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, and natural D-alpha tocopherol succinate from soybean sources;
- c) vegetable oils derived from phytosterols and phytosterol esters from soybean sources;
- d) plant stanol esters produced from vegetable oil sterols from soybean sources.

☐ ☒ contains milk and products thereof (including lactose), except:

- a) whey used for making alcoholic distillates including ethyl alcohol of agricultural origin;
- b) lactitol.

☐ ☒ contains nuts, namely: almonds (*Amygdalus communis* L.), hazelnuts (*Corylus avellana*), walnuts (*Juglans regia*), cashews (*Anacardium occidentale*), pecan nuts (*Carya illinoensis* (Wangenh.) K. Koch), Brazil nuts (*Bertholletia excelsa*), pistachio nuts (*Pistacia vera*), macadamia or Queensland nuts (*Macadamia ternifolia*), and products thereof, except for nuts used for making alcoholic distillates including ethyl alcohol of agricultural origin.

☐ ☒ contains celery and products thereof.

☐ ☒ contains mustard and products thereof.

☐ ☒ contains sesame seeds and products thereof.

☐ ☒ contains sulphur dioxide and sulphites at concentrations of more than 10mg/liter in terms of the total SO₂ which are to be calculated for products as proposed ready for consumption or as reconstituted according to the instructions of the manufacturers.

☐ ☒ contains lupins and products thereof.

☐ ☒ contains molluscs and products thereof.

* And the products thereof, in so far as the process that they have undergone is not likely to increase the level of allergenicity assessed by EFSA for the relevant product from which they originated.

☐ ☒ contains latex components

Yes No

☐ ☒ The product has an approval as a cosmetic (if no, move on to the next item, if yes, please continue)

Yes No

☐ ☐ contains substances from Annex II to EC Regulation 1223/2009

☐ ☐ contains substances from Annex III to EC Regulation 1223/2009 above the threshold limits

BSE/TSE

The Official Journal of the European Union EMEA/410/01 Rev. 3, March 2011, and its previous versions apply.

Yes No

☐ ☒ contains substances of animal origin

Other substances

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains polychlorinated dibenzodioxins and dibenzofurans PCDD/PCDF
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains polycyclic aromatic hydrocarbons (PAHs)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains substances containing pentachlorophenol (PCP)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	contains plasticizers (if yes, specify in Other confirmations)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains substances containing PVC
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains substances containing asbestos
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains substances/resins containing resin acid
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains substances containing or releasing formaldehyde
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains azo dye
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains AOXs
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains dimethyl fumarate (DMF)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains alkylphenol ethoxylates (APEO)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	contains acids (if yes, specify in Other confirmations)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains alkalis (if yes, specify in Other confirmations)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains flame retardants
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains bisphenols
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains nanoparticles (size: 1-100nm)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains quaternary ammonium cation (quats)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	contains chlorinated paraffins

Other confirmations / remarks: (e.g. health-relevant DIN standards, IOS-mat, NSF certification, etc. // enclose document if available)

- Bis(2-ethylhexyl)-adipate
- 1-Hydroxyethan-1,1'-Diphosphonic acid, Phosphoric acid

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TECHNICAL DATA SHEET

Medium-strength and non-running flange sealant

Art. no. 0893 518 050

P. Qty.: 1

Viscous adhesive and sealing material for sealing flanges and surfaces with large gaps



Weight of content	50 g
Chemical basis	Methacrylic acid ether
Fully hardening/curing conditions	Exclusion of oxygen and contact with metal (copper or iron ions)
Colour	Red fluorescent
Min./max. viscosity 1/conditions 1	1500000-2300000 mPas /at 25 °C, Brookfield RVT, spindle 7/0.5 rpm
Min./max. viscosity 2/conditions 2	160000-360000 mPas/at 25 °C, Brookfield RVT, spindle 7/5 rpm
Density/conditions	1.1 g/cm ³ /in accordance with DIN EN ISO 2811-1
Min./max. initial strength	30-60 min
Min./max. functional strength	1-3 h
Min./max. final strength	24 h-72 h
Min./max. processing temperature	5 to 35 °C
Min./max. temperature conditions	-55 to 150 °C
Min. flashing point	90 °C
Min. prevail torque	8 Nm
Conditions for prevail torque	DIN EN 15865
Min./max. compressive shearing strength/conditions	18-27 N/mm ² /in accordance with ISO 10123
Min./max. tensile strength/conditions	14-20 N/mm ² /in accordance with DIN 53288
Min. breakaway torque	20 Nm
Breakaway torque conditions	DIN EN 15865
Shelf life from production/conditions	18 Month/at room temperature
Silicone-free	Yes
Solvent-free	Yes

TECHNICAL DATA SHEET

Application area

For sealing dimensionally stable flange joints and surfaces with a large gap. Also suitable for passive metals, such as for sealing aluminium flanges or for different material pairs. Ideal for automotive and commercial vehicle industry, metalworking and tool manufacturing, shipbuilding, mechanical engineering and engine construction, electrical and electronics construction.

Application information

The surface must be free of oil, grease and other contaminants. Best adhesive results are achieved when the surfaces are cleaned with Metal cleaner 7063 (art. no. 0890 107 063). Observe the flash-off time!

The medium-strength and non-dripping flange sealant cures anaerobically, meaning that it only hardens where no atmospheric oxygen comes into contact with the adhesive. At the same time, the hardening speed is still influenced by the catalytic effect of metal and the gap width.

Excessive adhesive that is pressed out of the gap between the two parts will not harden and can be removed with a dry cloth or a cloth saturated with acetone cleaner (art. no. 0893 460).

Notice

The following plastics can be affected in the event of prolonged exposure: ABS, celluloid, polystyrene, polycarbonate (Macrolon), PMMA (Plexiglas), polysulfone, SAN (Iurane, Tyril), Vinidur, vulcanised fibre and painted surfaces. We always recommend that you conduct your own tests.

The usage instructions are recommendations based on the tests we have conducted and on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. If our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee the consistent quality of our products. We reserve the right to make technical changes and further develop products. Please observe the technical data sheet!