

הרבנות דק"ק ברלין גרמניה  
Rabbinat der JGzB Deutschland  
Kaschrut Komitee ועד הכשרות

Rabbiner Yitshak Ehrenberg  
Rabbiner der Jüdischen Gemeinde zu Berlin

הרב יצחק ארנברג  
הרב ואב"ד דק"ק ברלין

י"ב תמוז תשפ"ג  
01.07.2023

תעודת כשרות

הנני לאשר בזה כי בדקתי את הרכיבים ותהליך היצור והאריזה של המוצרים:  
**חומרי ניקוי וגריזים לתעשיית המזון כמפורט ברשימת המוצרים המצורפת לתעודה זו**  
המוצרים ע"י חברת **וורט** ב קונצעלזאו, גרמניה ואין הם מכילים, וגם אינם באים במגע עם שום חומרים לא כשרים בעת הייצור והאריזה.  
לפיכך המוצרים הנ"ל **כשרים פרוזה** לכל ימות השנה כולל ימי חג הפסח.  
תעודה זו בתוקף עד ליום כ"ד סיון תשפ"ד (30.06.2024)

Kosher-Certificate

I hereby certify that I inspected the ingredients, production and packing process of:

**See enclosed product sheet**

produced by **Würth GmbH & Co KG** in Künzelsau, Germany and I found that they do not contain, nor come in contact with any non-kosher substances in the course of production and packing.  
They are therefore **Kosher Parve for the whole year including for the Passover days.**

This certificate is valid until June 30<sup>th</sup>, 2024.



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הרב יצחק ארנברג  
הרב ואב"ד דק"ק ברלין

**Product List**

0890 107 Power cleaner for assembly	0893 237 102 SMP adhesive sealant
0890 107 05 Power cleaner for assembly	0893 237 130 SMP adhesive sealant, XTREME
0890 109 6 Cleaning fluid multiclean	0893 237 160 SMP adhesive sealant, METALLIC
0890 900 90 Universal cleaning cloth	0893 225 0 adhesive sealant, glass clear
0893 056 Multi plus maintenance oil	0893 270 025 High-strength screw retainer
0893 107 001 Foodstuffs lubricant LMS-Fluid	0893 270 050 High-strength screw retainer
0893 107 002 Multi-purpose grease III	0893 270 250 High-strength screw retainer
0893 107 402 Multi-purpose grease III	0893 243 025 Medium-strength screw retainer
0893 107 502 Multi-purpose grease III	0893 243 050 Medium-strength screw retainer
0893 107 252 Multi-purpose grease III	0893 243 250 Medium-strength screw retainer
0893 107 003 Multi-purpose grease IV	0893 603 025 High-strength bearing lock
0893 107 403 Multi-purpose grease IV	0893 603 050 High-strength bearing lock
0893 107 503 Multi-purpose grease IV	0893 603 250 High-strength bearing lock
0893 107 253 Multi-purpose grease IV	0893 573 050 Surface sealant, green
0893 107 006 LMS Liquid Premium	0893 573 250 Surface sealant, green
0893 107 1 Food safe lubricating oil	0893 574 050 Surface sealant, orange
0893 107 6 Foodstuffs HHS	0893 574 250 Surface sealant, orange
0893 121 0 Stainless steel care oil	0893 577 050 Medium-strength pipe sealant
0893 121 1 Metal restorer	0893 511 050 Low-strength pipe sealant with PTFE
0893 121 2 Stainless steel power cleaner	0893 511 250 Low-strength pipe sealant with PTFE
0893 123 HSP 1400	0893 09 Super-fast glue
0893 130 400 Rust remover Rost Off Special	0893 090 Super-fast glue
0893 550 000 Slide Wax	0893 090 0 Super-fast glue
0893 140 Industry cleaner	0893 090 030 Super-fast glue
0893 140 05 Industry cleaner	0893 093 090 Super-fast glue 2C
0893 221 000 Silicone spray, silicone fluid	0893 093 091 Super-fast glue 2C
0892 550 1-4 Silicone Acetate, food grade	0893 056 000 Multi Plus
0893 351 000 - 022 Natural stone sealant 4 in 1	0893 106 202 HHS 6000 Plus
0893 235 1-3 Bond + Seal Power	0893 106 203 HHS 2000 Plus
0893 237 100 SMP adhesive sealant	0893 106 204 HHS 200 Plus
0893 237 101 SMP adhesive sealant	
0893 556 050 Sealing Compound MULTI medium strength	





July 24, 2018

Mrs. Marlies Schiebenes  
Adolf Würth GmbH & Co. KG  
Reinhold-Würth-Str. 12-16  
Baden-Württemberg  
74650 Künzelsau  
Germany

RE: 0893573050\_0893573250\_FLANGE SEALANT, GREEN  
Category Code: P1  
NSF Registration No. 151996

Dear Mrs. Marlies Schiebenes:

NSF has processed the application for Registration of **0893573050\_0893573250\_FLANGE SEALANT, GREEN** to the *NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds* (2017), which are available upon request by contacting [NonFood@nsf.org](mailto:NonFood@nsf.org). The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements including FDA 21 CFR for appropriate use, ingredient and labeling review.

**This product is acceptable for use as a flange sealant (P1), in and around food processing areas. The product must only be used in such a manner as to ensure it will have neither direct nor indirect contact with food or potable water. Before using this compound, food products and packaging materials must be removed from the area or carefully protected. This compound must be used in a manner so that all odors associated with the compound are dissipated before food products or packaging materials are re-exposed in the area. Use must also be consistent with the manufacturer's directions and warnings.**

NSF Registration of this product is current when the NSF Registration Mark and Category Code appear on the NSF-approved product label, and the Registered product name is included in the current NSF White Book Listing of Nonfood Compounds at the NSF website ([www.nsfwhitebook.org](http://www.nsfwhitebook.org)).

NSF Listing of all Registered Nonfood compounds by NSF International is not an endorsement of those compounds, or of any performance or efficacy claims made by the manufacturer.

Registration status may be verified at any time via the NSF website, at [www.nsfwhitebook.org](http://www.nsfwhitebook.org). Changes in formulation or label, without the prior written consent of NSF, will void Registration, and will supersede the on-line listing. Please contact your NSF Project Manager or [nonfood@nsf.org](mailto:nonfood@nsf.org) if you have any questions or concerns pertaining to this letter.

Sincerely,

Carolyn Gilliland  
NSF NonFood Compound Registration Program  
Company No: N11503

# TECHNICAL DATA SHEET

## Low-strength flange sealant

**Art. no. 0893 573 050**

P. Qty.: 1

**For sealing flanges and surfaces with minimum joints up to max. 0.3 mm. Replacement for solid seals.**



Weight of content	50 g
Chemical basis	Dimethacrylic acid ester
Fully hardening/curing conditions	Exclusion of oxygen and contact with metal (copper or iron ions)
Colour	Green fluorescent
Min./max. viscosity 1/conditions 1	55000-80000 mPas/at 25 °C, Brookfield RVT, spindle 6/2.5 rpm
Min./max. viscosity 2/conditions 2	15000-25000 mPas/at 25 °C, Brookfield RVT, spindle 6/20 rpm
Density/conditions	1.05 g/cm <sup>3</sup> /in accordance with DIN EN ISO 2811-1
Min./max. initial strength	15-30 min
Min./max. functional strength	3-6 h
Min./max. final strength	6 h-24 h
Min./max. processing temperature	5 to 35 °C
Min./max. temperature conditions	-55 to 150 °C
Min. flashing point	100 °C
Min. prevail torque	3 Nm
Conditions for prevail torque	DIN EN 15865
Min./max. compressive shearing strength/conditions	4-11 N/mm <sup>2</sup> /in accordance with ISO 10123
Min./max. tensile strength/conditions	2-8 N/mm <sup>2</sup> /in accordance with ASTM D-2095
Min./max. shear strength	2-4 N/mm <sup>2</sup>
Conditions for tensile shear strength	in accordance with ASTM D-950
Min. breakaway torque	8 Nm
Breakaway torque conditions	DIN EN 15865

# TECHNICAL DATA SHEET

Shelf life from production/conditions	18 Month/at room temperature
Silicone-free	Yes
Solvent-free	Yes

## Application area

For sealing flanges and surfaces with minimum joints up to max. 0.3 mm. As a replacement for solid seals. The low-strength flange sealant is for use in the automotive and commercial vehicle industry, in metalworking and tool manufacturing, shipbuilding, mechanical engineering and engine construction, electrical and electronics construction, food, beverage, pharmaceutical and paper industries etc.

Ideal for applications in which good wetting is required, for instance on complicated cast parts and smooth surfaces.

## 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!

Manually apply the product to the flange surface as a continuous bead or flat by screen printing. The flange should be closed tightly as soon as possible after joining, so that the product does not build up and cause gaps.

After assembly, the adhesive hardens to a viscoplastic. The cleaner the surface, the more secure the bonding.

The low-strength 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).

## Proof of performance

- NSF registered, Class S2, sealants - no direct contact with food
- NSF-tested in accordance with NSF/ANSI 61 for use in service water and drinking water up to +82°C



## 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.

# TECHNICAL DATA SHEET

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. Insofar as our free customer service provides technical information or acts as an advisory service, no liability is assumed in relation to the provision of 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!

## Product declaration

### Gen. information:

Supplier:

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

### Article information:

Article description:

Flange sealant low strength

Würth art. No.:

0893 573 050; 0893 573 250

### 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

☐ ☒ contains heavy metals

Yes No

☐ ☒ contains lead (Pb) >0.1%

☐ ☒ contains mercury (Hg) >0.1%

☐ ☒ contains cadmium (Cd) >0.1%

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

☐ ☒ contains polybrominated biphenyls (PBB) >0.1%

☐ ☒ contains polybrominated diphenyl ethers (PBDE) >0.1%

☐ ☒ contains phthalates >0.1%

Yes No

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

☐ ☒ contains benzyl butyl phthalate (BBP) >0.1%

☐ ☒ contains dibutyl phthalate (DBP) >0.1%

☐ ☒ contains diisobutyl phthalate (DIBP) >0.1%

☐ ☒ contains diisodecyl phthalate (DIDP) >0.1%

☐ ☒ 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

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

☐ ☒ 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, Polyester Adipate, $\alpha,\alpha$ -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 SO<sub>2</sub> 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)

- Polyester Adipate
- 1-Hydroxyethan- $\alpha$ , $\alpha'$ -Diphosphonic acid, Phosphoric acid

This document was created electronically on 01.03.2022 and is valid without signature.