

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Chemical product for building, modernising and repairing.
Adhesive

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

LUGATO GmbH & Co. KG
Großer Kamp 1
D-22885 Barsbüttel

Telephone no. +49 (0)40 694 07-0

Fax no. +49 (0)40 694 07-109 + 110

Advice on Safety Data Sheet

sicherheit@lugato.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

-

Signal word

-

Hazard statement(s)

-

Hazard statements (EU)

EUH208 Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Precautionary statement(s)

-

Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

Product releases small amounts of methanol when used as intended.

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

PBT assessment
No data available.

vPvB assessment
No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Adhesive

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			
	52829-07-9 258-207-9 - 01-2119537297-32	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Eye Dam. 1; H318	< 1,00	wt%
2	3-aminopropyltriethoxysilane			
	919-30-2 213-048-4 612-108-00-0 01-2119480479-24	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 0,10 - < 1,00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation

Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Do not induce vomiting. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings.

Unsuitable extinguishing media

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

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High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Refer to protective measures listed in section 8.

General protective and hygiene measures

Wash hands before breaks and after work. Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Avoid contact with eyes and skin. Remove contaminated clothing and shoes and launder thoroughly before reusing. Use barrier skin cream.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from atmospheric moisture and water.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Storage Class according TRGS 510

12 Non-combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no	
	Route of exposure	Exposure time	Effect
			Value

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			52829-07-9 258-207-9
	dermal	Long term (chronic)	systemic	0,5 mg/kg/day
	inhalative	Long term (chronic)	systemic	0,68 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			52829-07-9 258-207-9
	oral	Long term (chronic)	systemic	0,05 mg/kg/day
	dermal	Long term (chronic)	systemic	0,25 mg/kg/day
	inhalative	Long term (chronic)	systemic	0,17 mg/m ³

PNEC values

No	Substance name			CAS / EC no
	ecological compartment	Type		Value
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			52829-07-9 258-207-9
	water	fresh water		0,019 mg/L
	water	Aqua intermittent		0,007 mg/L
	water	marine water		0,002 mg/L
	water	fresh water sediment		29 mg/kg
	with reference to: dry weight			
	water	marine water sediment		2,9 mg/kg
	with reference to: dry weight			
	soil	-		5,90 mg/kg
	with reference to: dry weight			
	sewage treatment plant	-		1,00 mg/L

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment

Respiratory protection

No special measures required.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

Material thickness > 0,35 mm

Other

No special measures required.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid
Form

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

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Region: GER

pasty			
Colour			
white			
Odour			
characteristic			
pH value			
No data available			
Boiling point / boiling range			
Value	394	°C	
Source	manufacturer		
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	>	200	°C
Source	manufacturer		
Ignition temperature			
No data available			
Auto-ignition temperature			
Comments	Product is not selfigniting.		
Explosive properties			
Product does not present an explosion hazard.			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	1,38	g/cm ³	
Reference temperature	20	°C	
Method	ISO 2811		
Source	manufacturer		
Solubility in water			
Comments	Not miscible or difficult to mix		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
log Pow		0,35	
Reference temperature		25	°C

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

with reference to Method Source	pH 7 OECD 107 ECHA
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Kinematic viscosity	
Value	18000 mPa*s
Reference temperature	20 °C
Type	dynamic
Method	ISO 2555
Source	manufacturer

Solids content	
Value	98,8 %
Method	DIN EN 827.8.2

Particle characteristics	
No data available	

9.2 Other information

Other information	
No data available.	

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Keep from freezing.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Methanol

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
LD50		3700	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
LD50		> 3170	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
LC50		500	mg/l
Duration of exposure		4	h
State of aggregation		Dust/mist	
Species		rat	
Method		OECD 403	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Species		rabbit	
Method		EPA OPP 81-5	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		Irreversible effects on the eye	
Evaluation/classification		Based on available data, the classification criteria are met.	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Type of examination		in vitro gene mutation study in bacteria	
Species		Salmonella typhimurium TA98, TA100, TA1535, TA1537	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Type of examination		In vitro Mammalian Chromosomal Aberration Test	
Species		Human Lymphocyte	
Method		OECD 473	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Type of examination		in vitro gene mutation study in mammalian cells	
Species		Chinese hamster V79 cells	
Method		OECD 476	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Route of exposure		oral	
Type of examination		Toxicity study	

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

Species	rat
Method	OECD 415
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Route of exposure		oral	
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard
No data available

Endocrine disrupting properties
No data available

11.2 Information on other hazards

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
LC50		4,4	mg/l
Duration of exposure		96	h
Species	Lepomis macrochirus		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
EC50		8,58	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
NOEC		0,23	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
EC50		0,705	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
IC50		> 100	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability

No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
Type	aerobic biodegradation		
Value		24	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

No	Substance name	CAS no.	EC no.
1	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	258-207-9
log Pow		0,35	
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 107		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

Product Name

DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	3-aminopropyltriethoxysilane	919-30-2	213-048-4	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	0,1	%
VOC-value	1	g/l

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

National regulations

Water Hazard Class (Germany)

Class

2

EU safety data sheet

Trade name: DESIGNBELAGSKLEBSTOFF DOPPEL PLUS

Product no.: DKDP

Current version : 2.0.0, issued: 16.10.2024

Replaced version: 1.0.0, issued: 25.01.2024

Region: GER

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

Other regulations

GISCODE: RS 10 Installation materials, containing methoxysilane; GEV Directive/EMICODE: EC 1 plus R, very low emission

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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