

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : KD All Round Adhesive Gluing & Sealing

Crystal Clear

Revision Date : 31.03.2017

Version : 2.3 /en

fischer 
innovative solutions

Replaces version from : 01.12.2015

Print date : 05.04.2017

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

1.1 Product identifier

Commercial Product Name **KD All Round Adhesive Gluing & Sealing Crystal Clear**

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

Relevant identified uses Powerful, elastic bonding of metals, plastics, concrete, brick, plaster-board, wood, render, ceramic, air crete, fi bre cement, Styrofoam®, HPL, pumice, PVC, ABS, cork, enamel, glass, natural stone and many more.

Recommended restrictions None under normal processing. Observe technical data sheet.

1.3 Details of the supplier of the safety data sheet

Company designation fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone : +49(0)7443 12-0
FAX : +49(0)7443 12-4222
Email : info-sdb@fischer.de
Internet : www.fischer.de

Marketer Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd, Hithercroft Road, Wallingford, Oxfordshire, OX10 9AT, Tel. 01491 827 920, Fax 01491 827 950

1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Reg- Eye Irrit. 2; H319
ulation (EC) No. 1272/2008

2.2 Label elements

Hazard pictogram



GHS07

Signal word

Warning

H-statement(s)

H319: Causes serious eye irritation.

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P-statement(s) P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

Further information EUH208: Contains Dioctylbis(pentan-2,4-dionato-O,O)zinn; 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction.

2.3 Other hazards

Health hazard None known.

Particular information pertaining specific risk for human / environment None known.

Indication of danger None known.

Hazard precautions None known.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
Dioctylbis(pentan-2,4-dionato-O,O)zinn	CAS No. : 54068-28-9 EC-No. : 483-270-6 REACH No. : 01-000020199-67	Repr. 2; H361fd STOT RE 2; H373 Skin Sens. 1; H317 Aquatic Chronic 3; H412	< 2.5 %
N-(3-(trimethoxysilyl)propyl)ethylenediamine	CAS No. : 1760-24-3	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317	< 2.5 %

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice If symptoms persist, call a physician.
Remove/Take off immediately all contaminated clothing.

If inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact IF ON SKIN: Gently wash with plenty of soap and water.

In case of eye contact In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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If swallowed

If swallowed, seek medical advice immediately and show this container or label.

Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water.

Do NOT induce vomiting.

Notes to physician

No data available

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

No data available

Special medical treatment

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂)

Dry powder

Foam

Water spray jet

Extinguishing media which must not be used for safety reasons

High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

No hazards to be specially mentioned.

5.3 Advice for firefighters

Special protective equipment for firefighting

In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Keep containers and surroundings cool with water spray. Container may rupture on heating.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

Keep people away from and upwind of spill/leak.

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6.2 Environmental precautions

Environmental precautions The product should not be allowed to enter drains, water courses or the soil.
Prevent spreading over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Use mechanical handling equipment.
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Reference to other sections See chapter 7/8/13

6.5 Additional information

Other information Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling None under normal processing.
Advice on protection against fire and explosion No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Keep containers tightly closed in a cool, well-ventilated place.
Store in accordance with local regulations.
Keep only in original container.
Hints on storage assembly Store in accordance with the particular national regulations.
German storage class 10 – 13 (TRGS 510)

7.3 Specific end use(s)

Specific use(s) adhesive

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Respiratory protection No personal respiratory protective equipment normally required.
Hand protection Wear protective gloves.
Suitable material : butyl-rubber, Chloroprene, Nitrile rubber

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Unsuitable material : PVC disposable gloves

Material thickness : $\geq 0,5$ mm

Break through time : > 120 min

Remarks : Replace when worn. Request information on glove permeation properties from the glove supplier.. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Eye protection Tightly fitting safety goggles

Skin and body protection Wear suitable protective equipment.

Note : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

General protective and hygiene measures Smoking, eating and drinking should be prohibited in the application area.

Avoid contact with skin, eyes and clothing.

Take off all contaminated clothing immediately.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Use protective skin cream before handling the product.

Information on environmental protection regulations No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	paste
Colour	transparent
Odour	characteristic
Odour threshold	not determined
pH	not determined
Melting point [°C] / Freezing point [°C]	not determined
Boiling point [°C]	not determined
Flash point [°C]	> 100
Evaporation rate [kg/(s*m ²)]	No data available
Flammability (solid, gas)	No data available
Explosion limits [Vol-%]	
Lower limit :	No data available

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Upper limit :	No data available
Vapour pressure [kPa]	not determined
Vapour density	not determined
Relative density	> 1
Temperature :	20 °C
Solubility	No data available
Water solubility [g/l]	not determined
Partition coefficient n-octanol / water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	not determined
Explosive properties	Not explosive
Risk of explosion.	Not explosive
Oxidising properties	No

SECTION 10: Stability and reactivity

10.1 Reactivity

Thermal decomposition No decomposition if stored and applied as directed.

10.2 Chemical stability

Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid Not applicable.

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if used as directed.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

Diocylbis(pentan-2,4-dionato-O,O)zinn

Oral toxicity [mg/kg]	Test criterion	Test species	Source
2500	LD50	Rat.	100

Source : 100 - Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
> 2000	LD50	rat	100

Source : 100 - Company data

Irritant effect on skin	No skin irritation
Irritant effect on eyes	No eye irritation
Sensitization	May cause sensitization by skin contact.
Carcinogenic effects	No data available
Mutagenicity	No data available
Reproduction toxicity	No data available

Specific target organ toxicity (single exposure) [mg/kg]	Remarks	Source
	No data available	100

Source : 100 - Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Remarks	Source
	No data available	100

Source : 100 - Company data

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
2413	LD50	rat	OECD 401	100

Source : 100 - Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Duration	Source
16480	LD50	rabbit	24 h	100

Source : 100 - Company data

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Exposure duration	Source
> 1,49	LC50	rat	mist	4 h	100

Source : 100 - Company data

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Irritant effect on skin	No skin irritation
Measuring method	OECD 404
Test species	rabbit
Time curve	24; 48; 72
Exposure duration	4 h
Irritant effect on eyes	Causes serious eye damage.
Measuring method	OECD 405
Test species	rabbit
Time curve	24; 48; 72
Exposure duration	21 d
Sensitization	Skin sensitizing.
Measuring method	OECD 406.
Test species	guinea pig
Exposure duration	72 h
Carcinogenic effects	No data available
Mutagenicity	negative
Reproduction toxicity	No data available

Specific target organ toxicity (single exposure) [mg/kg]	Remarks	Source
	Not applicable.	100

Source : 100 - Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Remarks	Source
	Not applicable.	100

Source : 100 - Company data

11.2 Additional information

Other information (chapter 11.) There is no data available for this product.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

Diocetylbis(pentan-2,4-dionato-O,O)zinn

Toxicity to fish [mg/l]	Test criterion	Measuring method	Exposure duration	Source
86	LC50	OECD 203	96 h	100

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Source : 100 – Company data

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
58,6	EC50	Daphnia magna (Water flea)	48	OECD 202	100

Source : 100 – Company data

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
300	EC50	Scenedesmus subspicatus	24 h	OECD 201	100

Source : 100 – Company data

Biodegradability No data available

Bioaccumulation no data available

Mobility No data available

Results of PBT characteristics determination Not applicable.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
213	LC50	Salmo gairdneri	EPA 660/3-75/009	96 h	100

Source : 100 – Company data

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
90	EC50	Daphnia magna (Big water flea).	48 h	OECD 202	100

Source : 100 – Company data

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
8,8	ErC50:	Selenastrum capricornutum	72 h	OECD 201	100

Source : 100 – Company data

Biodegradability Readily biodegradable.

Bioaccumulation no data available

Mobility No data available

Results of PBT characteristics determination Not applicable.

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12.6 Other adverse effects

Further information on ecology No information on ecology is available.
Should not be released into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
The product should not be allowed to enter drains, water courses or the soil.
Empty remaining contents.

Waste Code 080400 – wastes from MFSU of adhesives and sealants (including waterproofing products)
150100 – packaging (including separately collected municipal packaging waste)

Uncleaned empty packaging Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
14.2 UN proper shipping name		Non dangerous good	Non dangerous good
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
Danger releasing substance	Not applicable.	Not applicable.	Not applicable.

14.6 Special precautions for user

Precautions not required under normal use

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

14.8 Additional information

Other information (chapter 14.) Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

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SECTION 15: Regulatory information

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

Restriction of occupation. -
Water Hazard Class (Ger.) 1

15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.
Additional regulations Not applicable.

SECTION 16: Other information

Relevant H-phrases H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure .
H412: Harmful to aquatic life with long lasting effects.
EUH208: Contains Dioctylbis(pentan-2,4-dionato-O,O)zinn; 3-(2-aminoethylamino)-propyltrimethoxysilane. May produce an allergic reaction.

Wording of the hazard classes Eye Irrit.: Serious eye irritation
Repr.: Reproductive toxicity
STOT RE: Specific target organ toxicity – repeated exposure
Skin Sens.: Skin sensitization
Aquatic Chronic: Hazardous to the aquatic environment
Skin Irrit.: Skin irritation
Eye Dam.: Serious eye damage

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	Evaluation
Eye Irrit. 2; H319	Calculated

Recommended restrictions None under normal processing. Observe technical data sheet.

Modifications of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.