

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

Commercial Product Name : **KD All Round Adhesive Gluing & Sealing**

Revision Date : 31.03.2017

Version : 3.2 /en



Replaces version from : 01.12.2015

Print date : 02.05.2017

## **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**

### **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 Regulation (EC) No. 1272/2008    This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### **2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]    The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

Further information            EUH210: Safety data sheet available on request.

### **2.3 Other hazards**

Health hazard            None known.

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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**

<b>Ingredient</b>		<b>Classification (EC) 1272/2008</b>	<b>Concentration</b>
trimethoxyvinylsilane	CAS No. : 2768-02-7 EC-No. : 220-449-8 REACH No. : 01-2119513215-52	Flam. Liq. 3; H226 Acute Tox. 4; H332	2.5 - 10.0 %
Kohlenwasserstoffe, C13-C23, n-Alkane, Isoalkane, zyklische Verbindungen, <0,03 % Aromaten	EC-No. : 932-078-5	Asp. Tox. 1; H304	2.5 - 10.0 %
Reaction mass of: N,N#-ethane-1,2-diylbis(hexanamid)/12-Hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamid/ N,N#-ethane-1,2-diylbis(12-hydroxyoctadecanamid)	EC-No. : 432-430-3 REACH No. : 01-0000017860-69	Aquatic Chronic 4; H413	2.5 - 10.0 %

## **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.
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
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## 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.

### 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".

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## 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 none

### 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

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

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## 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	various
Odour	characteristic
Odour threshold	not determined
pH	not determined
Melting point [°C] / Freezing point [°C]	No data available
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Evaporation rate [kg/(s*m <sup>2</sup> )]	No data available
Flammability (solid, gas)	No data available
Explosion limits [Vol-%]	
Lower limit :	not determined
Upper limit :	not determined
Vapour pressure [kPa]	not determined
Density [g/cm <sup>3</sup> ]	1,5
Temperature :	20 °C
Relative density	1,5
Temperature :	20 °C
Water solubility [g/l]	insoluble
Solubility [g/l]	No data available

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Partition coefficient n-octanol / water (log P O/W) No data available

Autoignition temperature [°C] not determined

Autoinflammability not auto-flammable

Decomposition temperature [°C] not determined

Viscosity, dynamic [kg/(m\*s)] not determined

Risk of explosion. Not explosive

## 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.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Hazardous ingredients

##### Trimethoxyvinylsilan

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
7120	LD50	Rat.	OECD 401	100

Source : 100 – Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Duration	Remarks	Source
3,36	LD50	rabbit	24 h	OECD 402	100

Source : 100 – Company data

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LC50 Inhalation 4h for gases [pp-mV]	Test criterion	Test species	Note	Exposure duration	Source
2773	LC50	Rat.	OECD 403	4 h	100

Source : 100 – Company data

**Kohlenwasserstoffe, C13–C23, n–Alkane, Isoalkane, zyklische Verbindungen, <0,03 % Aromaten**

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
> 5000	LD50	rat	OECD 401	100

Source : 100 – Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Duration	Remarks	Source
> 3160	LD50	rabbit	24 h	OECD 402	100

Source : 100 – Company data

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Exposure duration	Source
> 5266	LC50	rat	OECD 403	4 h	100

Source : 100 – Company data

Irritant effect on skin	No skin irritation
Measuring method	OECD Test Guideline 404
Test species	rabbit
Exposure duration	4 h
Irritant effect on eyes	No eye irritation
Measuring method	OECD 405
Test species	rabbit
Exposure duration	24 h
Sensitization	No sensitization responses were observed.
Measuring method	OECD 406.
Test species	guinea pig
Carcinogenic effects	No data available
Mutagenicity	negative
Reproduction toxicity	No data available

Specific target organ toxicity (single exposure) [mg/kg]	Specific effects	Source
	none	100

Source : 100 – Company data

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Specific target organ toxicity (repeated exposure) [mg/kg]	Specific effects	Source
	none	100

Source : 100 - Company data

**Reaction mass of: N,N#-ethane-1,2-diylbis(hexanamid)/12-Hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamid/N,N#-ethane-1,2-diylbis(12-hydroxyoctadecanamid)**

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

Source : 100 - Company data

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

Source : 100 - Company data

Inhalative toxicity [mg/l]	Source
No data available	100

Source : 100 - Company data

Irritant effect on skin	no data available
Irritant effect on eyes	no data available
Sensitization	No known effect.
Carcinogenic effects	No data available
Mutagenicity	Ames test negative.
Reproduction toxicity	No data available
Caustic effect	No data available

Specific target organ toxicity (single exposure) [mg/kg]	Specific effects	Source
	none	100

Source : 100 - Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Specific effects	Source
	none	100

Source : 100 - Company data

## 11.2 Additional information

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

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Hazardous ingredients

**Kohlenwasserstoffe, C13-C23, n-Alkane, Isoalkane, zyklische Verbindungen, <0,03 % Aromaten**

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
> 1028	LC50	Scophthalmus maximus	OECD 203	96 h	100

Source : 100 - Company data

Toxicity to daphnia [mg/l]	Source
No data available	100

Source : 100 - Company data

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
> 10000	ErC50:	Skeletonema costatum	72 h	ISO 10253	100

Source : 100 - Company data

NOEC (fish) [mg/l]	Test criterion	Test species	Exposure duration	Source
> 1000	NOEL	Oncorhynchus mykiss (Rainbow trout)	28-day	100

Source : 100 - Company data

NOEC (daphnia) [mg/l]	Test criterion	Test species	Exposure duration	Source
> 1000	NOEL	Daphnia magna (Big water flea).	21 d	100

Source : 100 - Company data

Biodegradability Readily biodegradable.

Bioaccumulation no data available

Mobility Not applicable.

Results of PBT characteristics determination Not applicable.

**Reaction mass of: N,N#-ethane-1,2-diylbis(hexanamid)/12-Hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamid/N,N#-ethane-1,2-diylbis(12-hydroxyoctadecanamid)**

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
> 1000	LC50	Oncorhynchus mykiss (rainbow trout)	96 h	100

Source : 100 - Company data

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Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
> 1000	EC50	Daphnia magna (Water flea)	48 h	100

Source : 100 – Company data

Toxicity to algae [mg/l]	Test criterion	Exposure duration	Source
85	EC50	96 h	100

Source : 100 – Company data

NOEC (daphnia) [mg/l]	Test criterion	Test species	Exposure duration	Source
0,9	NOEC	Daphnia magna (Big water flea).	21 d	100

Source : 100 – Company data

Biodegradability	Not readily biodegradable.
Bioaccumulation	Bioaccumulation is unlikely.
Mobility	No data available
Results of PBT characteristics determination	Not applicable.

## 12.6 Other adverse effects

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

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	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
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

## 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 H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H332: Harmful if inhaled.  
H413: May cause long lasting harmful effects to aquatic life.  
EUH210: Safety data sheet available on request.

Wording of the hazard classes Flam. Liq.: Flammable liquid  
Acute Tox.: Acute toxicity  
Asp. Tox.: Aspiration hazard  
Aquatic Chronic: Hazardous to the aquatic environment

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

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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.