

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

Commercial Product Name: Multi Kleb- und Dichtstoff Crystal KDC



innovative solutions

Revision Date: 14.01.2020

Version: 3.0/en

Replaces version from: 21.06.2017

Print date: 14.01.2020

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

1.1 Product identifier

*Commercial Product Name Multi Kleb- und Dichtstoff Crystal KDC

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

*Relevant identified uses Adhesives, sealants

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
Telephone: +44 01491 827 920
FAX: +44 01491 827 950
Internet: www.fischer.co.uk

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 mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*Further information Keep out of reach of children.

2.3 Other hazards

Health hazard None known.

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*Particular information pertaining specific risk for human / environment	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. None known.
Indication of danger	None known.
Hazard precautions	None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
Trimethoxyvinylsilane	*CAS No.: 2768-02-7 *EC-No.: 220-449-8	Flam. Liq. 3; H226 Acute Tox. 4; H332	< 2.5 % by weight

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

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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.
Heating or fire can release toxic gas.

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".

6.4 Reference to other sections

Reference to other sections See chapter 7/8/13

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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 re-
quirements 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

Unsuitable material PVC disposable gloves

Material thickness >= 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).

not required under normal use

Suitable material butyl-rubber, Chloroprene, Nitrile rubber

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Unsuitable material	PVC disposable gloves
Material thickness	adjust to application and duration of use
Break through time	adjust to application and duration of use
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]	No data available
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	1,05
Temperature	23 °C
Solubility	No data available
*Water solubility [g/l]	insoluble
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.
None known.

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

Inhalative toxicity [mg/l]

Hazardous ingredients

* Trimethoxyvinylsilane			
Value	Test criterion	Exposure duration	Source
11	LC50	4 h	Company data

*Irritant effect on skin No skin irritation

*Irritant effect on eyes No eye irritation

*Sensitization No known effect.

11.2 Additional information

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

SECTION 12: Ecological information

12.1 Toxicity

*Aquatic toxicity [mg/l] Es liegen keine Informationen vor.

12.2 Persistence and degradability

*Biodegradability

Remarks No data available

12.3 Bioaccumulative potential

*Bioaccumulation no data available

12.4 Mobility in soil

*Mobility

Mobility No data available

12.5 Results of PBT and vPvB assessment

*Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

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.
Dispose of waste according to applicable legislation.

*Waste Code 080400 - wastes from MFSU of adhesives and sealants (including water-proofing products)
150100 - packaging (including separately collected municipal packaging waste)
The following Waste Codes are only suggestions:
200000 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

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	Non-dangerous goods	Non-dangerous goods	Non-dangerous goods
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.
Proper shipping name	Non dangerous good		
14.2 UN proper shipping name		Non dangerous good	Non dangerous good

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

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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. -
Not relevant

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

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

Relevant H-phrases H226: Flammable liquid and vapour.
H332: Harmful if inhaled.

Wording of the hazard classes Flam. Liq.: Flammable liquid
Acute Tox.: Acute toxicity
This product is classified as not hazardous according to regulation EC CLP

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