

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Print date: 09.05.2018
Revision date: 09.05.2018
Valid from: 09.05.2018
Version: 2

Replaces version: 1

KAIMANN® Sealing Compound black

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

1.1 Product identifier

Kaimann Sealing Compound black

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

Relevant identified uses:

Sealant based on silane modified polymers.

Product Categories [PC]

PC1 - Adhesives, sealants

Uses advised against:

None known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Kaimann GmbH

Address

Hansastraße 2-5

D-33161 Hövelhof

Department issuing data specification sheet

Kaimann GmbH - Technik

Phone / Fax / E-Mail

+49 (0) 5257-9850-0 / +49 (0) 5257-9850-590/ E-Mail: msds@kaimann.de

1.4 Emergency telephone number

Advice Center for Poison Symptoms and Embryo Toxicology (Emergency Phone Line Berlin / Giftnotruf Berlin)

Tel.: +49 (0) 30 -1 92 40 · www.giftnotruf.de

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SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008 [CLP]
None.
- 2.2 Label elements**
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.
- 2.3 Other hazards**
None.
-

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

T TRIMETHOXY VINYL SILANE REACH registration No.: 01-2119513215-52-
EC No.: 220-449-8; CAS No.: 2768-02-7; Weight fraction: $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP]: Flam. Liq. 3; H226 Acute Tox. 4; H332

3-(TRIMETHOXYSILYL)PROPYLAMINE REACH registration No.: 01-2119510159-45-
EC No.: 37-511-5; CAS No.: 13822-56-5; Weight fraction: $\geq 1 - < 1,5 \%$
Classification 1272/2008 [CLP]: Eye Dam. 1; H318 Skin Irrit. 2; H315

Further ingredients

Components on the Candidate List of Substances of Very High Concern (SVHC)

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

If medical advice is needed, have product container, label or safety data sheet at hand.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. Consult a physician in case of symptoms.

In case of skin contact:

After contact with skin, wash with plenty of water and soap.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion:

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Call a physician immediately. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Small amounts of toxic methanol are released by hydrolysis.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Small amounts of toxic methanol are released by hydrolysis.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂) Extinguishing powder Water spray alcohol resistant foam.

Unsuitable extinguishing media: High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses.

Special protective equipment for firefighters:

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

See chapter 8.

6.5 Additional information

No dangerous materials are released.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

No particular measures required.

Hints on joint storage:

Storage class (TRGS 510): 10

Further information on storage conditions:

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Protect against Humidity. Containers should be kept dry and sealed.

7.3 Specific end use(s)

Sealant based on silane modified polymers. - Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

METHANOL (resulting by cleavage); (CAS No.: 67-56-1) Limit value type (country of origin): TRGS 900 (D)
Limit value: 200 ppm / 270 mg/m³
Peak limitation: 4(II)
Remark. H, Y
Version: 01.02.2006

Biological limit values:

METHANOL (resulting by cleavage); (CAS No.: 67-56-1) Limit value type (country of origin): TRGS 903 (D)
Parameter: Methanol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts
Limit value: 30 mg/l
Version: 01.09.2001

8.2 Exposure controls

Personal protection equipment:

Eye/face protection:

Use safety glasses. - DIN EN 166.

Skin protection:

Hand protection

Wear suitable gloves. - DIN EN 374.

Suitable material: CR (polychloroprene, chloroprene rubber) NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber) PVC (Polyvinyl chloride) NR (natural rubber, natural latex)

Breakthrough time (maximum wearing time): The permeation time (max. usage time) of the gloves depends on material and thickness as well as temperature. The data are available from the manufacturer of the specific gloves. The permeation time for the mentioned glove materials is in general > 480 min.

Recommended glove articles: Appropriate gloves are available e.g. from Mapa-Professionel (F-92205 Neuilly sur Seine - France): STANZOIL® (CR - 0,85 mm) - ULTRANITRIL® (491, 492, 494 oder 495 - NBR - 0,55mm) - INDUSTRIAL® (NR - 0,9 mm) -

Respiratory protection

Usually no personal respirative protection necessary.

General health and safety measures

The usual precautionary measures for the handling of chemicals have to be observed. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes.

SECTION 9: Physical and chemical properties

9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Appearance

Physical state:

Pasty.

Colour:

black

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Odour:	Poor, characteristic.
Odour threshold:	No data available.
Safety relevant basis data	
Melting point/melting range:	not applicable
Initial boiling point and boiling range:	not applicable
Decomposition temperature:	No data available.
Flash point:	> 61 °C c.c.
Ignition temperature:	No data available.
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Vapour pressure: (50 °C)	No data available
Density: (20 °C)	approx. 1.5 g/cm ³
Water solubility: (20 °C)	Reacts with water
pH:	not applicable
log P O/W:	No data available.
Viscosity: (20 °C)	No data available.
Relative vapour density: (20 °C)	No data available.
Vapourisation rate:	not applicable
Maximum VOC content (Switzerland):	< 3 Wt %
Oxidising liquids:	Not oxidizing.
Explosive properties:	Not oxidizing.

9.2 Other information

The product is not self-igniting. The product is not explosive.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product cures with moisture.

10.2 Chemical stability

Product is stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No dangerous decomposition products during appropriate storage and handling.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Assessment/classification

Health hazards:

Acute toxicity (oral): No - Based on available data, the classification criteria are not met.

Acute toxicity (dermal): No - Based on available data, the classification criteria are not met.

Acute toxicity (inhalation): No - Based on available data, the classification criteria are not met.

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Skin Corrosion / Irritation: No - Based on available data, the classification criteria are not met.
Serious eye damage / eye irritation: No - Based on available data, the classification criteria are not met.
Sensitisation (Respiratory): No - Based on available data, the classification criteria are not met.
Sensitisation (Skin): No - Based on available data, the classification criteria are not met.
Germ cell mutagenicity: No - Based on available data, the classification criteria are not met.
Carcinogenicity: No - Based on available data, the classification criteria are not met.
Reproductive toxicity: No - Based on available data, the classification criteria are not met.
Reproductive toxicity, Effects on or via lactation: No - Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): No - Based on available data, the classification criteria are not met.
Specific target organ toxicity (Respiratory tract irritation): No - Based on available data, the classification criteria are not met.
Irritant and corrosive effects:
Primary irritation to the skin
Practical experience/human evidence
By analogy to another tested similar product: No irritation after contact with the skin. (H315 is void.)
Irritation to eyes.
Practical experience/human evidence
By analogy to another tested similar product: No irritation after contact to the eyes. (H319 is void.)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

The mixture has been checked following the conventional method for eco-toxicological properties. If classified as eco-toxic see section 2 for details.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Contains no PBT / vBvP-substance.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Uncured product: Special waste.

Cured product: household garbage or trade garbage - observe local regulations.

Waste codes/waste designations according to EWC

08 04 10: Waste adhesives and sealants other than those mentioned in 08 04 09.

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Waste treatment options

Appropriate disposal / Package:

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 Additional information

Please note: The classification of waste for this product may change according to the field of its application. Please observe Directive 2001/118/EC.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None.

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

No information available.

SECTION 15: Regulatory information

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

National regulations

Observe in addition any national regulations!

Restrictions of occupation

Please consider possible restrictions for the protection of pregnant and breastfeeding women at work (Directive 92/85/EC) and for the protection of young people at work (Directive 94/33/EC).

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I): < 1 %

Water hazard class (WGK)

Class: 1 (Slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment

No information available.

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SECTION 16: Other information

16.1 Indication of changes

None.

16.2 Abbreviations and acronyms

BCF - Bioconcentration Factor
CMR - Carcinogenic-Mutagenic-toxic for Reproduction
DNEL - Derived No Effect Level
EWC - European Waste Catalogue
NOEC - No Observed Effect Concentration
NOEL - No Observed Effect Level
OEL - Occupational Exposure Limit
PBT - Persistent, Bioaccumulative, Toxic
PNEC - Predicted No Effect Concentration
STOT - Specific Target Organ Toxicity
SVHC - Substance of Very High Concern
vPvB - very Persistent, very Bioaccumulative

16.3 Key literature references and sources for data

Regulations for prevention of accidents, safety rules and recommendations provided by professional associations.
Observe technical data sheet.

16.4 Relevant H- and EUH-phrases (Number and full text)

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.

16.5 Training advice

None.

16.6 Additional information

None.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
