

# Safety-Data-Sheet

in accordance with (EG) regulation 1907/2006

|                   |                                |           |            |
|-------------------|--------------------------------|-----------|------------|
| Product name :    | Kaimann sealing compound clear |           |            |
| Revised :         | 28.03.2013                     | Version : | 28.04.2015 |
| Replaces version: |                                | Page :    | 1 of 7     |

## Sealing compound - clear

| 1. Designation of Substance/Composition and Company |   |
|---|---|
| Product name  | Kaimann sealing compound clear  |
| Designated use                                      | Silane-modified polymer (SMP) based sealant.  |
| Manufacturer/Supplier                               | KAIMANN GmbH<br>Hansastraße 2-5 • 33161 Hövelhof • GERMANY<br>Tel.: +49 (0)5257 98 50 - 0 • Fax.: +49 (0)5257 98 50 - 590                               |
| Information regarding Safety-Data-Sheet *           | Tel.: +49 (0)5257 98 50 - 300 • Fax: +49 (0)5257 98 50 - 625<br>msds@kaimann.de   |
| Emergency information                               | Advice Centre for Toxicological Symptoms and Embryonic Toxicology (Toxicological Emergency Number Berlin) Tel.: +49 (0)30 19 24 - 0 • www.giftnotruf.de |

| 2. Possible Risks  |   |
|--|---|
| Labelling elements<br>Labelling (67/548/EEC or 1999/45/EC)<br>Particular labelling specific mixtures     | 101 Safety-Data-Sheet for professionals upon request. |
| Classification of substance or mixture<br>Classification according to directive 67/548/EEC or 1999/45/EC | None  |
| Other hazards<br>Possible adverse physiochemical effects   | None  |

| 3. Composition/Component Data   |  |
|---------------------------------|--|
| <b>Hazardous ingredients</b>    |  |
| TRIMETHOXY VINYL SILANE         | Reach-registration number.: 01-2119513215-52<br>Registration Number (EC): 220-449-8<br><br>CAS-Nr.: 2768-02-7<br>Percentage: 1 - 5<br><br>% Classification 67/548/EWG: R 10 Xn ; R20<br>Classification 1272/2008 (CLP):<br>Flam. Liq.3; H226 Acute.Tox. 4 ; H332   |
| 3-(trimethoxysilyl) Propylamine | Reach-registration number.: 01-2119510159-45<br>Registration Number (EC): 237-511-5<br><br>CAS-Nr.: 13822-56-5<br>Percentage: 1 - 5<br><br>% Classification 67/548/EEC: Xi; R41 Xi; R38<br>Classification 1272/2008 (CLP):<br>Eye Dam. 1; H318 Skin Irrit. 2; H315 |
| <b>Additional information</b>   | Wording of R, H and EUH-phrases is outlined in section 16.   |

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| 4. First-Aid Measures  |   |
|--|---|
| General information  | If medical advice is required, have packaging, label or Safety-Data-Sheet at hand.  |
| After inhalation   | Move affected person to fresh air, keep them warm and calm. In case of symptoms seek medical advice.  |
| After skin contact   | Wash off using soap and water, rinse thoroughly. In case of skin irritations seek medical advice.   |
| After eye contact  | Upon eye contact rinse eyes and lids for about 10 - 15 minutes under running water. If possible remove contact lenses. Continue to rinse. Consult eye specialist.   |
| After ingestion  | Call a doctor immediately. When swallowed, rinse mouth with plenty of water (only if person concerned is conscious) and seek immediate medical advice. Minor amounts of toxic methanol are released through hydrolysis. |
| Most important symptoms and effects - both acute and delayed     | None known.   |
| Indication to immediate medical attention and specific treatment | small amounts of toxic methanol are released through hydrolysis.  |

| 5. Fire-Fighting Measures   |   |
|---|---|
| Suitable extinguishing agents   | Carbon dioxide (CO <sup>2</sup> ), extinguishing powder, Water spray, alcohol resistant foam. |
| Unsuitable extinguishing agents   | High Power water jet  |
| Specific hazards by the substance, its combustion products or resulting gases its combustion products | Carbon monoxide (CO) and carbon dioxide (CO <sup>2</sup> )                                    |
| Fire-fighting measures  | Do not allow run-off from fire-fighting to enter drains or water courses                      |
| Particular protective measures in case of fire  | Use suitable breathing apparatus.   |

| 6. Accidental-Release Measures |  |
|--------------------------------|--|
| Personal precautions           | Wear personal protective equipment. Avoid skin and eye contact.                                    |
| Environmental precautions      | Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.       |
| Cleaning/Removal measures      | Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. |
| Reference to other sections    | See section 8.   |
| Additional information         | No hazardous substances are released.  |

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| 7. Handling and Storage  |  |
|--|--|
| <b>Protective measures for safe handling</b>   | No special measures required.  |
| <b>Safe storage conditions allowing for incompatibilities</b><br>Technical measures and storage conditions | No special measures required.  |
| <b>Information on combined storage</b>   | Storage class: 10  |
| <b>Further particulars regarding storage conditions</b>  | Protect against Humidity. Containers should be kept dry and sealed.        |
| <b>Specifics in regards to final applications</b>  | Sealant based on silane modified polymers. - Observe technical data sheet. |

| 8. Restriction of Ingestion and Personal Protection |   |
|---|---|
| <b>Occupational Exposure Limit Value</b>            |   |
| Methanol (as a fission product)                     | CAS-Nr. 67-56-1<br>Specification: TRGS 900 ( D )<br>Value : 270 mg/m <sup>3</sup> / 200ppm<br>Peak limitation 4(II)<br>Comments: H, Y<br>Version date: 01.02.2006<br><br>Reference value category: TWA ( EC )<br>Limit: 260 mg/m <sup>3</sup> / 200 ppm<br>Comments: H  |
| <b>Biological limits</b>                            |   |
| Methanol (as a fission product)                     | CAS-Nr. 67-56-1<br>Specification: TRGS 903 ( D )<br>Parameter: Methanol / Urine (U) / End of exposure or end of shift respectively<br>Long-term exposure after several previous shifts<br>Limit: 30 mg/l<br>Version date: 01.09.2001                                    |
| <b>General protection and hygienic measures</b>     | Commonly accepted precautionary measures in regards to handling chemicals apply.<br>Do not eat, drink and smoke.<br>Wash hands before breaks and at the end of work.<br>Remove contaminated clothing immediately.<br>Avoid contact with skin, eye and mucous membranes. |
| <b>Respiratory protection</b>                       | Generally respiratory protection is not required.   |

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|                                       |   |
|---------------------------------------|---|
| <b>Hand protection</b>                | <p>Wear suitable protective gloves (DIN EN 374)</p> <p>Suitable materials: CR (polychloroprene, chloroprene rubber). NBR (Nitrile rubber). IIR (Butyl caoutchouc / butyl rubber). PVC (Polyvinyl chloride). NR (natural rubber, natural latex).</p> <p>The permeation time (maximum usage time) depends on glove material, thickness as well as temperature. Data for chosen type of glove is available from manufacturer. As a general rule penetration time for mentioned glove materials is &gt; 480 min.</p> <p>Recommended glove brands Appropriate gloves are available e.g. from Mapa-Professionel (F-92205 Neuilly sur Seine - France): STANZOIL® - ULTRANITRIL® (491,492,494 or 495) - INDUSTRIAL® -</p> |
| <b>Eye protection/face protection</b> | Use safety glasses (DIN EN 166).  |

## 9. Physical- and Chemical Properties

|                               |  |
|-------------------------------|--|
| <b>Physical state</b>         | Pasty  |
| <b>Colour</b>                 | clear  |
| <b>Odour</b>                  | Poor, characteristic                         |
| <b>Melting point</b>          | Not applicable.                              |
| <b>Boiling point</b>          | Not applicable.                              |
| <b>Density (20° C)</b>        | About 1.1 g/cm <sup>3</sup>                  |
| <b>Water solubility (20°)</b> | Reacts with water                            |
| <b>Other information</b>      | Not spontaneously inflammable and explosive. |

## 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | Product cures with moisture.   |
| <b>Chemical stability</b>                 | Product is stable under normal conditions.                                 |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products when stored and handled appropriately. |
| <b>Possibility of hazardous reactions</b> | None known.  |
| <b>Conditions to be avoided</b>           | None known.  |
| <b>Incompatible materials</b>             | None known.  |

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### 11. Toxicological Data

|   |   |
|---|---|
| <b>Sensitisation</b><br>After skin contact<br>Practical experiences with humans                   | By analogy to another tested similar product: No irritation after contact with the skin . (H315 is void.) |
| After inhalation<br>Practical experiences with humans   | By analogy to another tested similar product: No irritation after contact to the eyes. (H318 is void.)    |
| <b>Irritation and Corrosivity</b><br>Primary skin irritation<br>Practical experiences with humans | Irritation possible.  |
| Eye irritation<br>Practical experiences with humans   | Irritation possible.  |

### 12. Ecological Data

|  |   |
|--|---|
| <b>Aquatic toxicity</b>                    | The mixture was tested in regards to environmental hazards according to the conventional method. If classed environmentally hazardous, see section 2 for details. |
| <b>Persistence and degradability</b>       | No information available.   |
| <b>Bio- accumulation potential</b>         | No information available.   |
| <b>Mobility in soil</b>                    | No information available.   |
| <b>Results of PBT- and vPvB-Assessment</b> | Contains no PBT / vBvP-substance.   |
| <b>Other hazardous effects</b>             | No information available.   |
| <b>Additional ecological information</b>   | Do not allow uncontrolled discharge of product into the environment.  |

### 13. Disposal Consideration

|  |  |
|--|--|
| <b>Product</b>   | Non-set product to be disposed of via hazardous waste and fully dried or set product via household and commercial waste respectively. Comply with local regulation.  |
| <b>Packaging</b>   | Untamminated and fully emptied packaging can be recycled. Contaminated packaging is to be treated like product.  |
| <b>Waste code</b><br><b>Waste designation according to EWC [European Waste Catalogue]/ AVV [Ordinance on the List of Waste].</b> | 08 04 10*: Waste adhesives and sealants with the exception of those according to 08 04 09.<br>Note: Waste classification may vary according to area of application of product. Please note EC-directive 2001/118/EC. |

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### 14. Transport Data

|                            |   |
|----------------------------|---|
| UN-Number                  | Non-hazardous material in terms of transport regulations. |
| Correct UN-shipping name   | Non-hazardous material in terms of transport regulations. |
| Transport hazard class(es) | Non-hazardous material in terms of transport regulations. |

|                                 |   |
|---------------------------------|---|
| Packing Group                   | Non-hazardous material in terms of transport regulations. |
| Environmental hazards           | Non-hazardous material in terms of transport regulations. |
| Particular precautions for user | None  |

### 15. Regulations

|   |  |
|---|--|
| <b>Legal provisions for substance or mixtures</b>   |  |
| National Regulations  | Observe in addition any national regulations!  |
| Information regarding restriction of employment   | Possible restrictions of employment according to Maternity Protection Guideline Regulations or Youth Employment Act are to be complied with. |
| Technical instructions air  | Share (point 5.2.5.I): < 1%  |
| Water Hazard Class (WHC)  | 1 - (slightly hazardous to water) - classification according to Administrative Regulation on Water Pollutants (VwVwS)                        |
| Other regulations, restrictions and prohibition Ordinance Industrial Safety Act (BetrSichV) | Non-flammable liquid according to Ordinance Industrial Safety Act (BetrSichV)  |
| <b>Chemical Safety Assessment</b>   | No information available.  |

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|   |   |
|---|---|
| <b>16. Other information</b>                                    |   |
| <b>Note on changes</b>  | 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP]  |
| <b>Abbreviations and acronyms</b>                               | BCF - Bioconcentration Factor<br>CMR - Carcinogenic-Mutagenic-toxic for DNEL - Derived No Effect Level<br>EWC - European Waste Catalogue<br>NOEC - No Observed Effect Concentration<br>NOEL - No Observed Effect Level<br>OEL - Occupational Exposure Limit<br>PBT - Persistent, Bioaccumulative, Toxic<br>PNEC - Predicted No Effect Concentration<br>STOT - Specific Target Organ Toxicity<br>SVHC - Substance of Very High Concern<br>vPvB - very Persistent, very Bioaccumulative vPvB Very persistent, very bio-accumulative |
| <b>Important references and data sources</b>                    | Regulations for prevention of accidents , safety rules and recommendations provided by professional associations.   |
| <b>Wording of R, H, and EUH-phrases (numbers and full text)</b> | H226 Flammable liquid and vapour.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H332 Harmful if inhaled.<br>10 Flammable.<br>20 Harmful by inhalation.<br>38 Irritating to skin.<br>41 Risk of serious damage to eyes.  |
| <b>Training information</b>                                     | None  |

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