

Safety Data Sheet

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

Trade name : beko Metallic-Flex
Revision date : 20.11.2012
Date of print : 18.02.2013

Version : 1.0.0

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

beko Metallic-Flex

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

Supplier (manufacturer/importer/only representative/downstream user/distributor)

beko GmbH

Street :

Rappenfeldstr. 5

Postal code/city :

DE-86553 Monheim

Telephone / Telefax :

+49 (0) 9091 90898-0, +49 (0) 9091 90898-29

Information contact :

info@beko-group.com

1.4 Emergency Telephone Number

Poison Control Center Mainz - 24 hour emergency service – phone: +49 (0) 6131/19240

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

None

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Special provisions concerning the labelling of certain mixtures

101 Safety data sheet available for professional user on request.

2.3 Other hazards

None

3. Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

TRIMETHOXY VINYL SILANE ; REACH registration No. : 01-2119513215-52- ; EC No : 220-449-8; CAS No. : 2768-02-7

Weight fraction : 1 - 5 %

Classification 67/548/EEC : R10 Xn ; R20

Classification 1271/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H332

3-(TRIMETHOXSILYL)PROPYLAMINE ; REACH registration No. : 01-2119510159-45- ; EC No : 237-511-5; CAS No. : 13822-56-5

Weight fraction : 1 - 5 %

Classification 67/548/EEC : Xi ; R41 Xi ; R38

Classification 1271/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315

Additional information

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

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.

After 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

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.

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 (CO). 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.

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.

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6.5 Additional information

No dangerous materials are released.

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 : 10

Further information on storage conditions

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.

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

Limit value type (country of origin) : TWA (EC)

Limit value : 200 ppm / 260 mg/m³

Remark : H

Version :

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). IIR (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

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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 as a rule > 480 min.

Recommended glove articles : Appropriate gloves are available e.g. from Mapa-Professionel (F-92205 Neuilly sur Seine - France): STANZOIL ® - ULTRANITRIL ® (491,492,494 or 495) - INDUSTRIAL ® -

Respiratory protection

Usually no personal respiratory 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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Pasty.

Colour : silver grey

Odour

Poor, characteristic.

Safety relevant basis data

Melting point / melting range : not applicable

Boiling temperature / boiling range : not applicable

Lower explosion limit : No data available

Upper explosion limit : No data available

Density : (20 °C) ca. 1,1 g/cm³

Water solubility : (20 °C) Reacts with water

pH value : not applicable

9.2 Other information

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

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.

11. Toxicological information

11.1 Information on toxicological effects

Irritant and corrosive effects

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Primary irritation to the skin

Practical experience/human evidence

possible irritation.

Irritation to eyes

Practical experience/human evidence

possible irritation.

Sensitisation

Contains sensitizing substances. May produce an allergic reaction.

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 Further ecological information

Do not allow uncontrolled discharge of product into the environment.

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 / AVV

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

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.

14. Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

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No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

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 of occupation after maternity protection guideline regulation or law for the protection of young workers.

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

15.2 Chemical safety assessment

No information available.

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 R-, 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.

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10	Flammable.
20	Harmful by inhalation.
38	Irritating to skin.
41	Risk of serious damage to eyes.

16.5 Training advice

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.
