

SAFETY DATA SHEET

Bostik Silmax

Last changed: 28/04/2015

Replaces date: 28/04/2014

Internal No: P0461

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

1.1. Product identifier

Trade name Bostik Silmax

Other information

This safety data sheet applies to all articles.

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

RECOMMENDED USES: Moisture curing sealant based on silane modified polymer. (SMP)

1.3. Details of the supplier of the safety data sheet

NATIONAL MANUFACTURER/IMPORTER

Enterprise Bostik AB
Address Strandbadsvägen 22
Postal code 251 09 Helsingborg
Country Sweden
Email Info.se@bostik.com
Internet www.bostik.se
Tel +46 42 19 50 00

CONTACT PERSON

| Name | Email | Tel | Country |
|----------------------------|-------|-----------------|---------|
| Bostik AB Miljöavdelningen | | +46 42 19 50 00 | |

1.4. Emergency telephone number

| Emergency Phone | Type of assistance | Opening Hours |
|-----------------|-------------------------------------|---------------|
| +46 8 331231 | Swedish Poisons Informations Centre | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD

Classification: Classification according to Directive 1999/45 / EC DPD. The product is not classified as dangerous according to Directive 1999/45 / EC and its amendments..

CLP

Classification: Classification according to Regulation (EC) No 1272/2008 CLP / GHS: not classified..

Most serious

harmful effects:: Further information on potential health effects and symptoms of Section 11..

2.2. Label elements

Signal word: None

SUPPLEMENTAL HAZARD INFORMATION (EU)

EUH208 Contains 3-AMINOPROPYLTRIETHOXYSILANE ; N-(3-(TRIMETHOXYSILYL) PROPYL)- ETHYLENE DIAMINE. May produce an allergic reaction. EUH210 Safety data sheet available on request.

2.3. Other hazards

During hardening a small amount methanol.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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| Ingredient name | Reg. no. | EC No. | CAS No. | Conc. (wt%) | DPD-Classification | CLP-classification |
|---|------------------|-----------|------------|-------------|--------------------|---|
| 3-(2-aminoethylamino)propyl trimetoxi silan | 01-2119970215-39 | 2171646 | | < 1 % | Xi,R41 - R43 | Eye Dam. 1 H318 Skin Sens. 1 H317 |
| dodecanoic bis-(2,2,6,6-tetrametyl-4-piperidiny)ester | 01-2119537297-32 | | 52829-07-9 | < 1 % | Xi,N,R36 - R51/53 | Eye Irrit. 2 H319 Aquatic Chronic 2 H411 |
| 3-aminopropyltriethoxysilane | 01-2119480479-24 | 213-048-4 | 919-30-2 | < 1 % | C,R22 - R34 | Acute Tox. 4 H302 Skin Corr. 1B H314 |

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

The EUH hazard statements mentioned in CLP-classification are only label elements.

SECTION 4: First aid measures

4.1. Description of first aid measures

INHALATION

Fresh air and rest.

INGESTION

Drink a few glasses of water. Contact physician.

SKIN

Wash skin thoroughly with soap and water.

EYES

Promptly wash eyes with plenty of water while lifting the eye lids.

BURNS

Not applicable.

GENERAL

When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Show this Material Safety Datasheet to the doctor.

SECTION 5: Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Extinguish with powder, carbon dioxide, foam or fine water mist.

UNSUITABLE EXTINGUISHING MEDIA

Do not use a direct water jet that could spread the fire.

5.2. Special hazards arising from the substance or mixture

Carbon dioxide is formed when heated or in a fire.

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5.3. Advice for firefighters

Wear a self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Wear necessary protective equipment.

FOR NON-EMERGENCY PERSONNEL

NB! Risk of slipping due to spillage. Avoid direct contact.

6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground.

6.3. Methods and material for containment and cleaning up

METHODS AND MATERIAL

Bank and absorb with inert material (e.g. sand) and treat in accordance with local regulations.

6.4. Reference to other sections

See section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use personal protective equipment. See Section 8 for personal protective equipment. Good working hygiene must always be observed when handling product.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep in a dry, cool and well-ventilated place. Keep containers tightly closed in closed original packaging or other closed metal or plastic vessel.

7.3. Specific end use(s)

See Technical Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

During hardening a small amount methanol. Long-term exposure limit, 8h: 200 ppm, 266 mg/m³. Short-term exposure limit 15 min. 250 ppm, 333 mg/m³.

8.2. Exposure controls

EXPOSURE SCENARIOS

Good general ventilation should be sufficient to control worker exposure to airborne.

APPROPRIATE ENGINEERING CONTROLS

The work place and work methods shall be organized in such a way that direct contact with the product is prevented.

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EYE PROTECTION

Eye protection is recommended when there is a risk of direct contact or splashes

SKIN PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HAND PROTECTION

Protective gloves shall be used when there is a risk of direct contact or splashes. Wear appropriate clothing to prevent any possibility of skin contact. Protective gloves (polyethylene, PVC).

RESPIRATORY PROTECTION

If ventilation is insufficient, use a breathing mask with filter for organic vapours (type A).

OTHER INFORMATION

When using do not eat, drink or smoke. Wash your hands thoroughly after handling and before eating or smoking.

LIMITATION OF ENVIRONMENTAL EXPOSURE

Prevent discharge into the sewage system or the immediate environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

STATE Paste.

COLOUR Not translated to English

SOLUBILITY Uncured product in white spirit.

| Parameter | Value/unit | Method/reference | Observation |
|---|------------|------------------|-------------|
| pH (concentrate) | No data | | |
| pH (solution for use) | No data | | |
| Melting point | No data | | |
| Freezing point | No data | | |
| Initial boiling point and boiling range | No data | | |
| Flash point | > 150 °C | | |
| Evaporation rate | No data | | |
| Flammability (solid, gas) | No data | | |
| Flammability limits | No data | | |
| Explosion limits | No data | | |
| Vapour pressure | No data | | |
| Vapour density | No data | | |
| Relative density | No data | | |
| Partition coefficient | No data | | |
| Auto-ignition temperature | No data | | |
| Decomposition temperature | No data | | |
| Viscosity | No data | | |

9.2. Other information

| Parameter | Value/unit | Method/reference | Observation |
|-----------|------------|------------------|-------------|
| Density | 1,5 - | | |

| Note no. | Comments |
|----------|----------|
|----------|----------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

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10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

Strong alkalis. Strong acids. Oxidising agent.

10.6. Hazardous decomposition products

Carbon dioxide is formed when heated or in a fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Ingestion of large quantities may cause stomach ache, nausea and diarrhoea.

Acute toxicity - dermal

Prolonged exposure may cause irritation.

Acute toxicity - inhalation

The during curing released substances may irritate respiratory tracts if work takes place in confined badly ventilated rooms.

Serious eye damage/eye irritation

May cause irritation.

Carcinogenic properties

No known significant effects or critical hazards.

Reproductive toxicity

No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1. Toxicity

ACUTE AQUATIC TEST RESULTS

No information available

ECOTOXICITY

No information available

12.2. Persistence and degradability

No information available

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12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

The product is not classified as dangerous to the environment according to Scandinavian or ECC criteria and information available and known to us.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

GENERAL REGULATIONS

Dried product in limited volumes may be treated as normal industrial waste. When handling larger volumes consult local authorities and local waste disposal organisation.

CATEGORY OF WASTE

EWC-Code 080410

SECTION 14: Transport information

Classified as Dangerous Goods: No

Land transport (ADR/RID)

| | | | |
|----------------------------------|----------------|-----------------------------|----------------|
| 14.1. UN number | Not applicable | 14.4. Packing group | Not applicable |
| 14.2. UN proper shipping name | Not applicable | 14.5. Environmental hazards | Not applicable |
| 14.3. Transport hazard class(es) | Not applicable | | |
| Hazard label(s) | Not applicable | | |
| Hazard identification number | Not applicable | Tunnel restriction code | Not applicable |

Inland water ways transport (ADN)

| | | | |
|--------------------------------------|----------------|-----------------------------|----------------|
| 14.1. UN number | Not applicable | 14.4. Packing group | Not applicable |
| 14.2. UN proper shipping name | Not applicable | 14.5. Environmental hazards | Not applicable |
| 14.3. Transport hazard class(es) | Not applicable | | |
| Hazard label(s) | Not applicable | | |
| Environmental hazard in tank vessels | Not applicable | | |

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Sea transport (IMDG)

| | | | |
|---------------------------------------|----------------|-----------------------------|----------------|
| 14.1. UN number | Not applicable | 14.4. Packing group | Not applicable |
| 14.2. UN proper shipping name | Not applicable | 14.5. Environmental hazards | Not applicable |
| 14.3. Transport hazard class(es) | Not applicable | | |
| Hazard label(s) | Not applicable | | |
| Sub Risk: | Not applicable | | |
| IMDG Code segregation group | Not applicable | | |
| Marine pollutant | Not applicable | | |
| Substance name(s) on marine pollutant | Not applicable | | |
| EMS: | Not applicable | | |

Air transport (ICAO-TI / IATA-DGR)

| | | | |
|----------------------------------|----------------|---------------------|----------------|
| 14.1. UN number | Not applicable | 14.4. Packing group | Not applicable |
| 14.2. UN proper shipping name | Not applicable | | |
| 14.3. Transport hazard class(es) | Not applicable | | |
| Hazard label(s) | Not applicable | | |

SECTION 15: Regulatory information

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

OTHER REGULATORY INFORMATION

Safety data sheet available for professional use on request.

PROVISIONS

Safety, health and environmental regulations / legislation specific for the substance or mixture. EU Regulation (EC) No 1907/2006 (REACH).

15.2. Chemical safety assessment

OTHER INFORMATION

Chemical safety assessment has not been performed.

SECTION 16: Other information

ISSUED: 28/04/2015

VENDOR NOTES

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LIST OF RELEVANT R-PHRASES

| | |
|--------|---|
| R22 | Harmful if swallowed. |
| R34 | Causes burns. |
| R36 | Irritating to eyes. |
| R41 | Risk of serious damage to eyes. |
| R43 | May cause sensitisation by skin contact. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

LIST OF RELEVANT H-STATEMENTS

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |

USER NOTES

Version 2.

OTHER INFORMATION

The information on this Safety Data Sheet is based on our present knowledge and applicable EU and national laws. The product should not be used for other purposes than as specified in paragraph 1, without a prior written instruction from the supplier. It is always the full responsibility of the user to follow the requirements according to the law. The information on the Safety Data Sheet is intended to describe the security requirements of the product and is not a guarantee for the product quality.