SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier
Product name: Bostik Mirror
Chemical family: Neutral curing silicone sealant

1.2. Intended use of the product
Silicone sealant which provides permanent bond for mirrors

Name, address, and telephone of the responsible party
Company: Permoseal (PTY) Ltd
Address: 1 Beverley Close, Montague Gardens, 7441, Cape Town, South Africa
Phone: +27-21-555-7400
Toll-free No.: 0800-222-400
Website: www.bostik.co.za

1.3. Emergency phone number
+27-21-555-7400

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
GHS Classification: This product is not hazardous

2.2. Label elements
GHS Labelling: No labelling applicable

2.3. Other Hazards
Product hydrolyses, producing ethanol (CAS no. 64-17-5). Ethanol is highly flammable

2.4. Unknown acute toxicity
No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is not hazardous.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>Content (%)</th>
<th>Classification of Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated</td>
<td>128446-60-6</td>
<td>&lt; 3</td>
<td>Flam. Liq. Category 3 – H226 Skin Corr.: Category 1B – H314 Skin Sens.: Category 1 – H317 Eye Dam.: Category 1 – H318</td>
</tr>
</tbody>
</table>
4. FIRST-AID MEASURES

4.1. Description of first aid measures

General
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation
Take the person into the fresh air. Seek medical advice.

Skin contact
Wash skin with mild soap and water. Seek medical attention if irritation persists.

Eye contact
Rinse cautiously with water for 15 minutes. Remove any contact lenses if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion
Rinse mouth. Do not induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects both acute and delayed

General
May cause irritation in the uncured state. This product releases ethanol while it cures. Once cured, product is not expected to cause any irritation.

Inhalation
None expected under normal conditions of use.

Skin contact
May cause skin irritation in the uncured state.

Eye contact
May cause eye irritation in the uncured state.

Ingestion
Harmful if swallowed.

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

Note to physicians
Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Water, dry chemical powder, foam, carbon dioxide or sand

Unsuitable ext. media
Not applicable

5.2. Special hazards arising from the substance or mixture

Fire hazard
Product may release ethanol. Flammable vapours may accumulate and form explosive mixtures with air in containers.

Explosion hazard
Product is not explosive.

5.3. Advice for firefighters

Firefighting instructions
Exercise caution when fighting any chemical fire.

Protection during firefighting
Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous combustion products
Under certain conditions of combustion, traces of toxic substances cannot be excluded.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures
Do not get in eyes or skin, or on clothing.

6.2 For non-emergency personnel

Protective equipment
Use appropriate personal protection equipment (PPE)

Emergency procedures
Evacuate unnecessary personnel.

6.3. For emergency personnel

Protective equipment
Use appropriate personal protection equipment (PPE)

Emergency procedures
Secure the area and evacuate unnecessary personnel.

6.4. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.5. Methods and materials for containment and cleaning up

For containment
Prevent further spillage

Methods for cleaning up
If recovery is not feasible, absorb with inert material. Place in a container suitable for disposal. Dispose of in accordance with current local legislation.

6.6. Reference to other sections

Refer to Section 8, Exposure controls and personal protection
7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Handling temperature Normal ambient temperature
Hygiene measures Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
Incompatible materials Do not store with oxidizing agents.
Maximum storage period 12 months, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>8 hours TWA: 1000ppm 8 hours TWA: 1880 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Engineering controls Provide good ventilation when handling large quantities. No special measures are required if handled as above. Suitable respiratory protection should be worn if the product is used in large quantities, confined or poorly ventilated spaces where the OEL may be exceeded.
Hand protection Rubber gloves should be used if there is a risk of direct contact onto skin
Eye protection Safety glasses
Skin and body protection Not required
Respiratory protection Not required under normal conditions of use in a well-ventilated space
Other information When using, do not eat or drink

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear paste
Odour Characteristic - ethanol
Density (g/cm³) Approximately 1.02
Ignition temperature (°C) > 400
Solubility in water Insoluble

10. STABILITY AND REACTIVITY

Reactivity None expected under normal conditions.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions None expected under normal conditions
Conditions to avoid Direct sunlight. Extremely high or low temperatures.
Incompatible materials Oxidising material can cause a reaction. Reacts with water, basic substances and acids. Reaction causes the formation of ethanol.
Hazardous decomposition products By hydrolysis, ethanol. At a temperature of approximately 150°C, a small amount of formaldehyde can be released by oxidative degradation. Thermal decomposition releases carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

11. TOXICOLOGICAL INFORMATION

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good hygiene and safety precautions are followed.
Further toxicological information
Under hydrolysis, this product releases a small quantity of ethanol (67-17-5) which irritates the mucous membranes, slightly irritates the skin, degreases the skin, is narcotic and may cause liver damage.
12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. Based on its components, this product is unlikely to result in any detrimental ecological effects.

Further ecological information

The silicone content is biologically not degradable. The product of hydrolysis (ethanol) is readily biodegradable. Bioaccumulation is not expected to occur. Mobility in soil – polymer component is insoluble in water.

13. DISPOSABLE CONSIDERATIONS

Sewage disposal recommendations  Do not dispose waste into sewer.
Waste disposal recommendations  Whatever cannot be saved for recovery or recycling should be disposed of in accordance with current local legislation

14. TRANSPORT INFORMATION

Road / rail transport  ADR / RID  Not regulated
Marine Transport  IMDG  Not regulated
Inland waterways  ADNR  Not regulated
Air transport  IATA  Not regulated

15. REGULATORY INFORMATION

15.1 Labelling  Not classified as hazardous
15.2 National legislation  None

16. OTHER INFORMATION

16.1 Information sources
This SDS is prepared based on the information received from the suppliers

16.2 Full text of H-phrases referred to under Section 3
H226: Flammable liquid and vapour
H314: Causes severe skin burns and eye damage
H317: Causes skin irritation and may cause an allergic skin reaction
H318: Causes serious eye damage

16.3 Additional information
This document has been prepared in accordance with the SDS requirements of SANS 11014:2010
For intended use and applications see the Technical Date Sheet for the product. The information provided in this Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our product must take responsibility for observing existing laws and regulations.
Revision date  November 2016