SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier
Product name: Bostik Clear Adhesive
Chemical family: Nitrile rubber solution

1.2. Intended use of the product
All-purpose clear adhesive for use in the home, office and school

1.3. 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

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

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
GHS Classification: This product is hazardous

2.2. Label elements
GHS Labelling:
- This product is classified and labelled according to the CLP regulation.
- Hazard pictogram:

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GHS02  GHS07
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2.3. Signal word
Danger

2.4. Hazard determining components of labelling:
Acetone, Methyl Ethyl Ketone

2.5. Hazard statements:
- H225: Highly flammable liquid and vapour
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H335: May cause respiratory irritation
- H371: May cause damage to organs
- H336: May cause drowsiness or dizziness
2.6. Precautionary statements:

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves / eye protection.
P273 Avoid release to the environment.
P201 Obtain special instructions before use.
P308+P313 If exposed or concerned: get medical advice/attention.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

2.7. Other Hazards

No further data available

a. Unknown acute toxicity

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is hazardous.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Contents (%)</th>
<th>Classification of Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>50 - 70</td>
<td>Flam liq.: Cat 2 Eye Irritation: Cat 2 STOT SE: Cat 3</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>5 - 15</td>
<td>Flam liq.: Cat 2 Eye irritation: Cat 2 STOT SE: Cat 3</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
Move to fresh air and seek medical attention if nausea and dizziness persists. Aspiration into lungs may lead to pneumonitis.

Skin contact
Wash skin with mild soap and water. Remove contaminated clothes and shoes. Seek medical attention.

Eye contact
Remove any contact lenses from the eyes before rinsing thoroughly with plenty of water (lift eye lids). Rinse for at least 15 minutes. Seek medical attention if any discomfort continues.

Ingestion
Rinse mouth. Do not induce vomiting. Get the affected person to drink a lot of water in small gulps. Obtain medical attention.

4.2. Most important symptoms and effects both acute and delayed

General
May cause irritation.

Inhalation
May cause irritation to the respiratory system. Prolonged inhalation may cause headaches, drowsiness and fatigue. High concentrations of vapours are anaesthetic in nature causing central nervous system effects such as dizziness and confusion.

Skin contact
May cause skin irritation – Prolonged contact can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance. Repeated exposure may lead to dermatitis.

Eye contact
May cause eye irritation – can cause redness, tearing and blurred vision due to corneal clouding.

Ingestion
Hazardous – may be fatal 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 spray, dry chemical powder, foam, carbon dioxide
Unsuitable ext. media: Not applicable

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable
Explosion hazard: Solvent vapour may form explosive mixtures with air

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: Absorb and or contain spill with inert material.
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 away from heat, sparks, open flames and any other ignition sources. Keep container closed when not in use.
Incompatible materials: Strong oxidizing agents
Maximum storage period: 12 months, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters
Exposure limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>750ppm</td>
<td>1500ppm</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>200ppm</td>
<td>300ppm</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Engineering controls
Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above. Ventilation must be explosive proof.

Personal protective equipment
Use appropriate personal protection equipment (PPE).

Eye protection
Normally not needed for domestic use. Industrial uses require safety glasses.

Skin and body protection
Use protective gloves and aprons to prevent contact. Generally latex or nitrile gloves would provide sufficient protection.

Respiratory protection
Not required under normal conditions of use in a well-ventilated space. Use NIOSH approved respirator if there is potential to exceed exposure limits.

Other information
When using, do not eat or drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear viscous liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Aromatic</td>
</tr>
<tr>
<td>Density (g/cm³ @20°C)</td>
<td>Approximately 0.85</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>Approximately -18</td>
</tr>
<tr>
<td>Boiling point (°C)</td>
<td>Approximately 56</td>
</tr>
<tr>
<td>Flammability limits (%)</td>
<td>2.0 – 13.3</td>
</tr>
<tr>
<td>Solubility water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solubility solvent</td>
<td>Soluble in esters, ketones and methanol</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Prolonged exposure to air will result in solvent evaporation and gelation of product.

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
Not expected under normal conditions.

Conditions to avoid
Avoid temperature extremes, open flames, sparks or other possible ignition sources.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Thermal decomposition may release carbon dioxide, carbon monoxide, smoke and fumes.

11. TOXICOLOGICAL INFORMATION

The toxicological properties of this product have not been fully investigated. Please refer to section 4 for information regarding health effects.

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. However, the ingredients indicate that it is dangerous to the environment. Please refer to section 6 for information regarding accidental release.

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

14.1 UN Number
- ADR, ADN, IMDG, IATA  UN 1133

14.2 UN Proper Shipping Name
- ADR/AND, IMDG, IATA  Flammable liquid, N.O.S.

14.3 Transport hazard class
- ADR, ADN, IMDG, IATA LABEL
  - CLASS  3 Flammable liquids

14.4 Packing group
- ADR, ADN, IMDG, IATA  III

14.5 Environmental hazards
- Marine pollutant (IMDG), Special marking (ADR/AND), Special marking (IATA)
  Contamination of the aquatic or terrestrial environments should be avoided.

15. REGULATORY INFORMATION

15.1 Labelling
- Classified as a hazardous product

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
- H225 Highly flammable liquid and vapour
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H371 May cause damage to organs
- H336 May cause drowsiness or dizziness

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