

# Bostik Soft Plastics

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### 1.1. Product identifier

Product name Bostik Soft Plastics  
Chemical family Polyurethane adhesive

#### 1.2. Intended use of the product

Rubber and vinyl adhesive designed for long lasting repairs to soft and flexible plastic

#### 1.3. Name, address, and telephone of the responsible party

Company Permo seal (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](http://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:



GHS02



GHS08



GHS07

#### 2.3. Signal word

Danger

#### 2.4. Hazard determining components of labelling:

Methyl Ethyl Ketone, Acetone, Toluene, Tetrahydrofuran

#### 2.5. Hazard statements:

H225 Highly flammable liquid and vapour  
H302 Harmful if swallowed  
H304 May be fatal if swallowed and enter airways  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H373 May cause damage to organs through prolonged or repeated exposure  
H361d Suspected of damaging unborn child  
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

Frequent or prolonged contact may cause skin irritation

### a. Unknown acute toxicity

No data available

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is hazardous.

Ingredient	CAS No.	Contents (%)	Classification of Substance
Methyl Ethyl Ketone	78-93-3	15 - 30	Flam liq.: Cat 2 Eye Irritation: Cat 2 STOT SE: Cat 3
Acetone	67-64-01	40 - 55	Flam liq.: Cat 2 Eye Irritation: Cat 2 STOT SE: Cat 3
Toluene	108-88-3	15 - 30	Asp. Tox. : Cat 1 Flam liq.: Cat 2 Reprod. : Cat 2 STOT RE: Cat 2 Skin Irrit.: Cat 2 STOT SE: Cat 3
Tetrahydrofuran	109-99-9	8 - 20	Flam liq.: Cat 2 Eye irritation: Cat 2 Carc.: Cat 2 STOT SE: Cat 3

## 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	Irritant to eyes – may cause redness, tearing and blurred vision.
Ingestion	Hazardous – may be fatal if swallowed.

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

Note to physicians	Treat symptomatically
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### 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 liquid and vapour
Explosion hazard	Product is 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.
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#### 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. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.
Incompatible materials	Strong oxidizing agents, acids, ammonia, amines, isocyanates and caustic.
Maximum storage period	12 months, but may vary depending on storage conditions.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

Exposure limits:

Name	TWA – 8hrs	STEL – 15mins
Methyl Ethyl Ketone	150 ppm	300 ppm
Acetone	500ppm	1000ppm
Toluene	50ppm	150ppm
Tetrahydrofuran	100 ppm	100 ppm

### 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	Safety glasses.
Skin and body protection	Use protective gloves and aprons to prevent contact.
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

Appearance	Clear viscous liquid
Odour	Mildly pungent
Density (g/cm <sup>3</sup> @20°C)	Approximately 0.9
Flash point (°C)	Approximately -9
Boiling point (°C)	56
Flammability limits (%)	1.3 – 12.0
Solubility water	Insoluble
Solubility solvent	Soluble in esters, ketones and methanol

## 10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions of use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Not expected under normal conditions
Conditions to avoid	Open flames, sparks or other possible ignition sources
Incompatible materials	Strong oxidizing agents, strong acids and strong bases
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.

### Toxicological Effects based on ingredients:

Irritation of nose and throat may occur. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation may occur. Symptoms may include stinging, tearing, redness, swelling and blurred vision. May cause respiratory irritation. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## 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. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Further ecological information

The polyurethane polymer contained in this product is not readily biodegradable. The solvents are 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

### 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** II

### 14.5 Environmental hazards

- **None**

## 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
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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 Data 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.

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