



## TECHNICAL DATA SHEET

### **EVO-STICK SAFE 80 WATER BASED CONTACT ADHESIVE**

Evo-Stick Safe 80 is a non flammable polychloroprene rubber latex based adhesive which changes from white to translucent when dry. It is economical in use and gives excellent bond strength and good heat resistance.

#### **RECOMMENDED USE**

Evo-Stick Safe 80 can be used for bonding most types of materials such as textiles, rubbers and plastic laminates to wood, plywood, chipboard etc.

It may also be used for bonding smooth porous surfaces of concrete or plaster as well as canvas and expanded polystyrene.

Non-porous materials such as metals and painted surfaces may be bonded provided that the adhesive films are allowed to dry completely before the bond is made.

#### **SURFACE PREPARATION**

Substrates to be bonded should be perfectly clean, dry and free from dust and grease.

Smooth or polished surfaces should first be roughened with fine abrasive.

Rubber and similar material must be abraded well and then the bonding area vigorously wiped with a cloth dampened with Evo-Stick Adhesives Cleaner (a solvent based cleaner). Without such treatment a poor bond will result.

If degreasing is necessary use Evo-Stick Adhesive Cleaner.

#### **APPLICATION**

- Evo-Stick Safe 80 is suitable for application by brush, paint roller, sponge or spray techniques.
- The use of a notched or serrated spreader is not recommended as too much adhesive will be applied and this will take very much longer to dry.
- Thoroughly stir the contents of the container before use.
- Application by paint pad or by roller is very quick and applies a smooth thin layer of adhesive which will dry reasonably quickly.
- Both surfaces to be bonded should be coated with an even coat of adhesive and allowed to dry.
- Porous surfaces such as plaster may require a second coat. The milky white opaque adhesive becomes nearly clear when dry.
- The adhesive dries by evaporation of water into the atmosphere and on porous substrates also by absorption of the water into the pores.
- The drying time is very dependent on substrate, coating weight, temperature and humidity. Under normal conditions the film dries in 30 minutes.
- The process can be accelerated by warming e.g. by radiant heat or by passage of a current of warm air over the surface.
- It is often economical to batch apply the adhesive and then bond after a set period of approximately 3 hours.

## **BONDING**

Bring the two dry coated surfaces into contact, preferably within 120 minutes of drying and press together over the entire bond area.

Apply as much pressure as possible by hand roller, static press or nip roller without causing damage. Sustained pressure is not necessary.

**Coverage** – Approximately 9m<sup>2</sup> per litre on a single surface when applied by roller.

**Shelf life** – Up to 12 months from the date of manufacture when stored as shown below.

**Storage** – Store under dry conditions before 5°C and 25°C.

**Colour** – White (translucent when dry).

# HEALTH & SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE & OF THE COMPANY UNDERTAKING

Product Name: Safe 80  
Company: Bostik Ltd  
Common Road, Stafford ST16 3EH

Tel: 01785 255 141

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Zinc Oxide** EC No: 215-222-5 CAS No: 1314-3-2 Content 1-5% Classification N;  
R50/53

## 3. HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: R52/53

## 4. FIRST AID MEASURE

Inhalation: Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention.  
Eye contact: Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.  
Skin contact: Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.  
Ingestion: DO NOT induce vomiting. Get medical attention immediately.

## 5. FIRE FIGHTING MEASURES

Extinguishing media – This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials  
Specific hazards – Fire or high temperatures create toxic gases/vapours/fumes of Carbon Dioxide (CO<sub>2</sub>), Carbon Monoxide (CO), Hydro carbons.  
Protective measures in fire – Wear self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions - Avoid skin and eye contact. Wear personal protective equipment.  
Environmental precautions - Prevent entry into drains and water courses.  
Removal of spillage - Wear necessary protective equipment. Stop leak if possible without risk.  
Runoff or release to sewer, waterways or ground is forbidden. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbols. Wash thoroughly after dealing with a spillage.

## 7. HANDLING AND STORAGE

Usage precautions – Avoid spilling, skin and eye contact. Contains latex.  
Storage precautions – Store at moderate temperatures in dry, well ventilated area. Do not store in direct sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection – No specific recommendations made but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.  
Hand protection – Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of Viton rubber. Use thin cotton gloves inside the rubber gloves if allergy risk.  
Eye protection – Wear splash proof eye goggles to prevent any possibility of eye contact.  
Skin protection – Wear suitable protective clothing as protection against splashing or contamination.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Mobile liquid emulsion  
Odour: Characteristics  
Colour: White  
Relative density: 1.2  
Viscosity: 9500mPas

## 10. STABILITY AND REACTIVITY

Stability – No particular stability concerns.

Conditions to avoid - Avoid excessive heat for prolonged periods of time.

Hazardous decomposition products – Fire creates Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), Zinc.

## 11. TOXICOLOGICAL INFORMATION

General information – No specific health warnings noted.

Ingestion – May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact – Prolonged contact may cause dryness of the skin.

Eye contact – Spray and vapour in the eyes may cause irritation or smarting.

## 12. ECOLOGICAL INFORMATION

Eco-toxicity – Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL RECOMMENDATIONS

General information - This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contactor.

Disposal methods – Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterways or ground. Recover and reclaim or recycle if practical.

Waste class – Classified as Special Waste. Not permitted for landfill in liquid state.

## 14. TRANSPORT INFORMATION

Hazard class:	UN No:	Packing Group:	Flash point:
ADR class:	Item:	Technical name:	

## 15. REGULATORY INFORMATION

Risk phrases:	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Safety phrases:	S2	Keep out of the reach of children.
	S24/25	Avoid contact with skin and eyes.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

special	S56	Dispose of this material and its container to hazardous or waste collection point.
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	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
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## 16. OTHER INFORMATION

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.