

PRODUCT DATA & HEALTH & SAFETY INFORMATION

Issue: 1

Issue Date: May 1998

Revised: 20/7/1999

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product Name: **SBR BONDING AGENT**
Product Description: High quality bonding agent for any cement based mixture.
Supplier: ChemBuild Ltd, Tarasay, Higher Blandford Rd, Corfe Mullen, BH21 3JG
Tel: 01202 601701 Fax: 01202 604300

2. COMPOSITION/INGREDIENTS INFORMATION

Chemical Nature: Approximately 50% aqueous dispersion of a copolymer based on styrene butadiene.

3. HAZARD INFORMATION

Critical hazards to man and the environment: None.

4. FIRST AID MEASURES

General: Remove contaminated clothing.
Inhalation: Keep patient calm, remove to fresh air, summon medical help.
Eye Contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
Skin Contact: Wash thoroughly with soap and water.
Ingestion: Immediately rinse mouth and then drink plenty of water, summon medical help.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Suitable extinguishing media are, water spray, dry extinguishing media, foam, carbon dioxide (CO²)

6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage/
gas leak: Large spillages should be pumped into containers; soak up remainder with absorbent material (e.g. Kieselgur). Small spillages can be swilled away with water. Waste water must be disposed of correctly.

7. HANDLING AND STORAGE

Handling: Advice on safe handling: No special measure necessary.
Storage: Store protected against freezing.

8. EXPOSURE CONTROLS AND PERSONNEL PROTECTION (NORMAL USE)

Additional information on the lay-out of technical plant (see 7)
Components with workplace control parameters

Butadiene	CAS-No. 106-99-0
Styrene	CAS-No. 100-42-5
Ethylbenzene	CAS-No. 100-41-4
Formaldehyde	CAS-No. 50-00-0

8. EXPOSURE CONTROLS AND PERSONNEL PROTECTION (NORMAL USE) Cont/-

Refer to current edition of HSE Guidance Note EH 40 on Occupational Exposure Limits (UK).

This product should be considered when making any assessment under the UK control of substances Hazardous to Health Regulations (CLSHH), and amendments (United Kingdom).

Personal Protective Equipment

Eye Protection: Goggles
General Safety & Hygiene Measures: Hands and/or face should be washed before breaks and at the end of shift. Avoid contact with eyes and prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	
Colour:	White	
Odour:	Slightly aromatic	
Change in Physical State:	Solidification temperature:	0°C (water)
	Boiling point:	100°C (water)
Flash Point:	Not applicable	
Explosion Limits:	Lower: None	
	Upper: None	
Ignition Temperature:	Not applicable	
Vapour Pressure:	(20°C) 23 mbar (water)	
Density:	(20°C) approx. 1.02 g/cm ³	DIN 51 757
Solubility in Water:	Miscible	
PH Value:	(at – g/l, 23°C) approx 9.5	DIN 53 785
Viscosity:	(23oC) approx 3000mPa.s	Brookfield LVT (Sp.2, 30 Upm)

10 STABILITY AND REACTIVITIES

Thermal Decomposition: No decomposition if used correctly.
Hazardous Reactions: No decomposition is used correctly.

11. TOXICOLOGICAL INFORMATION

In our experience and according to information available to us, the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12. ECOLOGICAL INFORMATION

Elimination Information: The product can be virtually eliminated from water by abiotic processes e.g., absorption onto activated sludge.
Do not discharge product into natural waters without pre-treatment (biological treatment plant).
Behaviour and Environmental Fate: Inhibition of degradation activity sludge is not to be anticipated during correct introduction of low concentrations.
Ecotoxic Effects: Further ecological information: Local effluent treatment regulations should be complied with.

13. DISPOSAL INFORMATION

Must be disposed of by special means, e.g., suitable incineration, in accordance with local regulations.
The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

PRODUCT DATA & HEALTH & SAFETY INFORMATION

Product Name: **SBR BONDING AGENT Cont/-**

14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations.

15. REGULATORY INFORMATION

Labelling according to EEC Directives	Not subject to labelling in accordance with EEC Directives. Handle in accordance with good industrial hygiene and safety practice. National legislation/regulations
---------------------------------------	---

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

The information given above is believed to be accurate but is based on information supplied to ChemBuild Ltd and all liability on the part of ChemBuild Ltd in respect of loss (including consequential loss or loss of profit), damage, injury, or expense (including liability to third parties) arising from any error or omission in such information or from any use of this product (whether such use is in accordance with such information or otherwise) is excluded, except liability for death or personal injury resulting from negligence or arising under the sales contract for this product or legislation implementing EC Council Directive 85/374/EEC.

PRODUCT DATA & HEALTH & SAFETY INFORMATION

Product Name: **SBR BONDING AGENT**

Product Description: A pure solution of Styrene Butadiene copolymer emulsified in water to give a high quality bonding agent for any cement mixture. The bonding properties of SBR liquids are well known to be strong and waterproof. Unlike PVA bonding agents, the bond strength of SVR is latex unaffected, even if the background becomes wet (i.e., the polymer is non re-emulsifiable once cured).

Usage: The amount of SBR required will depend on the bond strength needed. Generally, 5 litres of SBR per 25kg bag of cement in an external render for an area of normal exposure. 7 litres of SBR per 25kg bag of cement to give a totally waterproof render.

Mixing: Add the SBR undiluted to the mix and then adjust the consistency with clean water.

Coverage: Approximately, 1 litre of SBR per sq metre at 15mm thickness of render.

Precautions: Water based emulsion, which is non-flammable. Wash splashes from skin immediately, protect eyes from splashes.

PROTECT FROM FROST