

**MATERIAL SAFETY DATA SHEET**

according to EU Directive 93/112/EC

**SBR BONDING AGENT**

Version: 2

Print date: 24.5.04

**1. Identification of Substance/Preparation and Company**

Product Name	SBR Bonding agent
Company	Biokil Crown Ltd 7 Stadium Ind Park, Long Eaton Nottingham, NG10 2DD
Telephone	0115 946 0060
Fax	0115 946 9767
Emergency Telephone	07967 10 71 95

**2. Composition / Information on ingredients**

Chemical nature:	Water based dispersion of butadiene styrene copolymer
Hazardous components:	none according to EU directive 88/379/EC

**3. Hazards identification**

Critical hazards to man and the environment:	none according to EU directive 88/379/EC
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**4. First aid measures**

Eye contact	May cause temporary irritation. Irrigate with water for 15 minutes holding eyelid open. Seek immediate medical attention
Skin contact	Prolonged contact may cause irritation. Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if symptoms persist
Inhalation of vapour	Remove to fresh air. In severe cases seek medical attention
Ingestion	May cause nausea. Seek immediate medical attention. Do not induce vomiting

**5. Fire fighting measures**

Hazards during fire-fighting	The product is water based and is not combustible.
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**6. Accidental release measures**

Personal protection	Refer to Section 8.
Environmental precautions	Prevent product entering soil, natural waters and drains.
Methods for cleaning and taking up	Large spillages should be contained and pumped receiving vessel. Small spillages should be absorbed on inert absorbent. For disposal methods refer to Section 13

**7. Handling and storage**

Handling	No special precautions necessary. Observe good housekeeping practice. Keep workplace well ventilated.
Storage	Store between +5°C and +35°C protected from frost and direct sunlight. Do not use storage vessels or pipe work made of aluminium, copper or their alloys. Detailed advice on storage systems can be provided. Bulk tanks should be regularly cleaned and sterilised.

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**8. Exposure controls / personal protection**

General protective                      The product may contain low levels of volatile organic measures compounds or ammonia which may evaporate during application and drying.

Advice on system design                Provide good general ventilation in the workplace. Where the product is dried or sprayed, local extraction is recommended.

**Components with workplace parameters:**

none according to EU directive 88/379/EC

**Personal protective equipment:**

Respiratory protection                If spraying product without local exhaust ventilation, wear a normal dust mask.

Hand protection                        Impermeable gloves recommended.

Eye protection                         Eye protection recommended.

Skin protection                         In case of severe splashing wear waterproof overalls and boots., Wash with soap and water after handling.

Hygiene measures                      Do not eat, drink or smoke when handling product.

**9. Physical and chemical properties**

Physical form	liquid
Colour	white
Odour	faint aromatic
Flash point	not applicable
Vapour pressure	23 hPa @ 20°C
Relative density	0.9 -1.1
Solubility in water	miscible in all proportions
pH	9 - 11
Viscosity	100 – 1,000 mPa s

**10. Stability and reactivity**

The product is stable under recommended storage conditions - see Section 7

Incompatible materials:                None

**11. Toxicological information**

Long term experience of this product type indicates no danger to health when properly handled under industrial conditions.

**12. Ecological information**

Degradation/elimination                DOC elimination after 2 days (OECD302B): 98%  
The product can be virtually eliminated from water by abiotic processes, e.g. adsorption onto activated sludge.

Bioaccumulation                        no evidence for bioaccumulation.

Ecotoxic effects                         no long term effects expected.

**13. Disposal considerations**

Waste product should not be discharged directly into drains or waterways without treatment.

Disposal of product and packaging should always comply with local and national regulations.

Waste water containing product should be treated in a separation and biological treatment plant.

EU Waste code number:                No Waste Code Number available.

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**14. Transport information**

The product is not classified as Dangerous for Carriage.

**15. Regulatory information**

Read the Label before purchase and use.

Labeling according to EU directive 88/379/EC:

Symbol

Not subject to labeling.

National regulations

Germany: Water hazard : WGK = 1, VwVwS Kenn. Nr. 662

Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment.

**16. Other Information**

The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use