

MATERIAL SAFETY DATA SHEET



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n-virol

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1. PRODUCT IDENTIFICATION

Trade Name	SBR BOND
Description	Water based dispersion of butadiene styrene copolymer

2. HAZARDOUS INGREDIENTS

Component	CAS No	Classification	Concentration
None according to EU directive 1999/45/EC	n/a	n/a	n/a

3. HAZARD IDENTIFICATION

Hazard designation	none according to EU directive 1999/45/EC
Health	n/a
Environmental	n/a

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

General hazard	This product is water based and is not combustible.
Extinguishing media	n/a
Extinguishing media Not to be used	n/a
Special exposure hazards	n/a
Protective equipment	n/a

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Large spillages should be contained and pumped into a receiving vessel. Small spillages should be absorbed on inert absorbant. For disposal methods refer to Section 13.
Environmental considerations	Prevent product entering soil, natural waters and drains.

7. HANDLING & STORAGE

Advice on safe handling	No special precautions necessary. Handle in accordance with good hygiene and safety practice.
Storage conditions	Store between +5°C and +30°C protect from frost and direct sunlight. Do not use storage vessels or pipework made of aluminium, copper or their alloys.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls	The product may contain low levels of volatile organic compounds which may evaporate during application and drying.
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Avoid contact with skin and eyes. Wash hands before breaks and after work. Wear protective equipment appropriate to the task (see below).
Eye protection	Safety goggles (e.g. EN 166).
Skin protection	Butyl rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken).
Respiratory protection	Respirator if ventilation is judged to be insufficient.
Other protection	Protective overalls.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Mobile liquid
Colour	White liquid
Odour	Faint aromatic
pH	9 - 11
Boiling pt /range	From 100 °C
Melting pt /range	°C
Flash point	n/a
Autoflammability	°C
Relative density	0.19 – 1.1
Viscosity	100 – 1,000 mPa s
Water solubility	Fully miscible

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Conditions to avoid	Avoid strong heat
Material to avoid	None known.
Hazardous reactions	No dangerous reactions known.
Hazardous decompositions products	None, if storage and handling is done according to specification.

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	The product is not classified as Dangerous for the Environment.

13. DISPOSAL CONSIDERATIONS

Advice on disposal	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.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.
EU Waste code number	No Waste Code number available.

14. TRANSPORT INFORMATION

UK Transport Information	UK Transport Classification: Not classified
UN No.	N/R
IMDG code	Not classified
RID / ADR	Not classified
IATA	Not classified

15. REGULATORY INFORMATION

Labelling according to EU directive 1999/45/EC	
Symbol	Not subject to labelling
Germany: Water hazard class	WGK =1 VwVwS Anhang 4
Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment	

16. OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties and does not establish a legally valid contractual relationship.
