

MATERIAL SAFETY DATA SHEET

according to EU Directive 93/112/EC

WATER RESISTANT WOOD ADHESIVE

Version: 2

Print date: 24.5.04

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

Product Name Water resistant Wood adhesive
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 self-crosslinking vinyl acetate homopolymer

Hazardous components:

Substance	EINECS No	Symbol	R-phrases	Conc.%
Butyl carbitol acetate	204-118-5	Xi	R36/38	>1.00 - <1.50
Aluminium chloride	231-208-1	Xi	R36/38	<1.50

3. Hazards identification

Critical hazards to man and the environment: none according to EU directive 88/379/EC

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.

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: Refer to the national regulation for workplace exposure limits

Substance	Cas No	EINECS No
Formaldehyde	50-00-0	200-001-8

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 ester
Flash point	not applicable
Vapour pressure	23 hPa @ 20°C
Relative density	0.9 -1.1
Solubility in water	insoluble but miscible in all proportions
pH	2.5 – 3.5
Viscosity	8,000-15,000 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 class

Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment. 16. Other information

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