

Material Safety Data Sheet

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Ref: 0087.7/CR(DR)

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1. Product and company information

Commercial product name: **Sureseal Water Resistant Wood Glue**

Supplier: Siroflex Ltd, Dodworth Business Park, Dodworth Barnsley S75 3SP, telephone: 01226 771600, facsimile: 01226 771601

Emergency phone: 01226 771600 (after working time)

email to technical@siroflex.co.uk

2. Composition/information on ingredients

Aqueous polymer dispersion of one or more of the following principal monomers:

Vinyl Acetate, Vinyl Versatate, Styrene, Acrylic and Methacrylic Esters Plasticiser, Colloids and other stabilisers may also be present in small quantities.

<u>Components</u>	<u>Concentrations</u>	<u>CAS Number</u>	<u>Risk Phrases</u>
Residual Monomers			
Vinyl Acetate	<0.5% by Weight	108-05-4	R11
Styrene	<0.1% by Weight	100-42-5	R10/20/36/38
2-Ethyl Hexyl Acetate	<0.1% by Weight	103-11-7	R37/38/43
n-Butyl Acelate	<0.1% by Weight	141-32-2	R10/36/37/38/43
Methyl Methacrylate	<0.1% by Weight	80-62-6	R11/36/37/38/43
Veo Va 10	<0.4% by Weight	51000-52-3	R52/53
Others			
Dibenzoate plasticiser blend	<35% by Weight	120-55-8 27138-31-4	
Poly Vinyl Alcohol	< 5% by Weight	25213-24-5	

Other Information

All components are registered in EINECS.

3. Hazard identification

These preparations do not carry a hazard classification according to EEC directives 88/379/EEC and 79/831EEC.

The product may cause soreness if in contact with eyes.
Repeated or prolonged skin contact may cause defatting and lead to irritation.
Ingress to waterways may cause persistent milky discolouration.
B.O.D. may be harmful to aquatic organisms.

4. First aid measures

	<u>Symptoms</u>	<u>Action</u>
Eyes	Soreness or Smarting	Wash out with copious amounts of warm water. Consult a doctor if discomfort persists.
Skin	Irritation	Wash off with soap and water before product dries. Remove soiled clothing, launder before re-use.
Ingestion:	Nausea	Give water to drink. Consult a doctor if the ingested amount exceeds 20ml
Inhalation:	Choking, Coughing, Dizziness	Remove to fresh air. Consult a doctor if the symptom persists.

5. Fire fighting measures

The preparation constitutes a low fire hazard. The products are aqueous dispersion and hence are non-combustible. There are no restrictions to the use of extinguishing media. If the temperature exceeds 100°C then spattering may occur. Dried polymer films are capable of combustion but represent no special hazard

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6. Accidental release measures

Prevent ingress into drains and watercourses where possible. Remove large spillages by pumping into a suitable vessel. Absorb small spillages using sand, earth or similar absorbent materials for disposal according to local regulations, (see section 13) and then wash the remainder away with copious quantities of water. If the spillage is within a confined space, care should be taken and respiration equipment is advised to avoid breathing large volume of V.O.C.

7. Handling and storage

Handling: These preparations contain small amounts of Volatile Organic Compounds (V.O.C.'s), which may accumulate in poorly ventilated areas such as within drums or storage/transport vessels. Breathing in these vapours should be avoided. Efficient ventilation should ensure that the vapours should be within the legal exposure limits, (see section 2 & 8). Avoid eye and skin contact by using impervious gloves and safety goggles.

Storage: To disperse volatile residues, vent bulk tanks to the outside. Storage for no more than six months Under ambient conditions store indoors between 5°C and 30°C.

8. Exposure controls and personal protection

Exposure Controls

<u>Components</u>	<u>Exposure Limits</u>
Vinyl Acetate	30mg/m ³
Styrene	420mg/m ³
2-Ethyl Hexyl Acrylate	55mg/m ³
Butyl Acrylate	55mg/m ³
Methyl Methacrylate	210mg/m ³
Veo Va 10	not yet established

Others

Dibenzoate plasticiser blend	not yet established
Poly Vinyl Alcohol	10mg/m ³

Personal Protection

<u>Respiratory:</u>	Masks designed to take an A2 filter for organic vapours.
<u>Hand:</u>	Impervious gloves.
<u>Eye:</u>	Safety glasses or goggles, (BS2902).
<u>Skin:</u>	Apron or overalls.

9. Physical and chemical properties

Appearance:	Milky white liquid
Boiling Point:	100°C
Freezing Point:	0°C
Flammability:	Not applicable
Auto ignition:	Not applicable
Vapour Pressure:	18mmHg@25°C
Water Solubility:	Fully Miscible
Evaporation Rate:	1 as water
(n-Butyl Acetate = 100)	

10. Stability and reactivity

Stability:	These preparations are stable.
Hazardous decomposition products:	Upon thermal decomposition oxides of carbon and monomer fumes may be generated.

11. Toxicological information

These preparations do not carry a hazard classification according to EEC directives 88/379/EEC, 67/548/EEC and 79/831/EEC.

From long-term experience no serious, acute or chronic effects result from handling these preparations under standard industrial conditions.

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12. Ecological information

Mobility: These preparations are fully miscible with water and can be transported considerable distances if allowed ingress into waterways.

Ecotoxicity: These preparations are poorly biodegradable but are not susceptible to bioaccumulation.

Aquatic Toxicity: The biological oxygen demands of some of the trace components may be harmful to aquatic organisms.

Low concentrations of these preparations in water for sewage treatments are unlikely to reduce sludge activity. The preparation is largely absorbed onto the sludge, thus eliminating it from water streams.

13. Disposal considerations

These preparations are not classified as hazardous waste. The preparation can be coagulated and separated for landfill or incineration. Water containing polymer emulsion should be clarified before being discharged in sewers or open water. Ultra-filtration, coagulation, settling or flotation techniques are suitable. Disposal of these preparations as waste must always comply with existing EEC, national or local regulations, e.g., in the UK Control of pollution Act, 1974 and in the environmental Protection Act, 1990. Wear protective clothing during operations; (see section 8). Registered waste carriers and licensed disposal sites must be used. Ensure that sufficient information has been given and that waste containers are properly labelled.

14. Transport information

These preparations are not classified as hazardous for transport according to international transport regulations.

Vinyl Acetate based preparations	Commodity Code:	390511 00 0
Styrene Acrylic preparations	Commodity Code:	390390 00 0
Acrylic based preparations	Commodity Code:	390690 00 0

15. Regulatory information

These preparations do not carry a hazard classification according to EEC directives 88/379/EEC, 67/548/EEC and 79/831/EEC. All components of this product are listed in EINECS or ELINCS.

16. Other information

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.

This Material Safety Data Sheet follows the requirements of EEC Directive 91/155/EEC.