



Pafra Adhesives Ltd
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AquaPAL® 5899

[Safety Data Sheet - according to Annex II of Regulation (EC) No. 1907/2006 (REACH)]

Issue 6 01/04/14

1. IDENTIFICATION OF PRODUCT & COMPANY

Product Name: AquaPAL® 5899
Substance Name: Water-borne polymer emulsion of poly(vinyl acetate).
Relevant Identified Uses: Adhesive for Paper Converting. Use descriptors will appear here as information is received by suppliers.
REACH Registration Number: This substance is exempt from Registration according to the provisions of Article 2(7)(a) and Annex IV of REACH
CAS No.: N/A
Supplier/Manufacturer: Pafra Adhesives Ltd, Bentalls, Basildon, Essex, SS14 3BU, England
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(only available during the following office hours 08:30 to 17:00 GMT)

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008 (CLP): See Section 16
Classification according to Directive 1999/45/EC: Not a Hazardous substance or mixture.
Label Elements: The mixture does not contain PBT or vPvB substances at a concentration of 0.1% or greater assessed in accordance with the criteria of Annex XIII
Other Hazards: Frequent contact can lead to skin and eye irritation, especially if product is allowed to dry out.

3. COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Characterisation: Water-borne polymer emulsion of poly(vinyl acetate).

Component	REACH Reg. No.	CAS	EINECS	Index Number	Hazards	R Phrase(s)	%
Bronopol		52-51-7	200-143-0	603-085-00-8	Xi, Xn, N	21/22-37/38-41-50	<0.1
1,2-benzisothiazol-3(2H)-one		2634-33-5	220-120-9	613-088-00-6	Xi, Xn, N	22-38-41-43-50	<0.05
2-methylisothiazol-3(2H)-one		2682-20-4	220-239-6		T, C, N	22-23-34-43-50	<0.05

The product does not contain any other substances in amounts resulting in health or environmental hazard classification according to the criteria in the respective EU Directives and Regulations. Full text for R phrases is displayed in section 16.

4. DESCRIPTION OF FIRST AID MEASURES

General Notes: Remove contaminated, soaked clothing immediately and dispose of safely.
Following Inhalation: No special measures required. If necessary seek medical attention.
Following Skin Contact: Wash skin with plenty of soap and water. If necessary seek medical attention.
Following Eye Contact: Rinse open eyes with plenty of water, also under the eyelids. Remove contact lenses and continue to rinse for at least 15 minutes. If necessary seek medical attention.





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Following Ingestion:

Rinse mouth and throat thoroughly with water. Drink water. If necessary seek medical attention.

Self Protection of the First Aider:

Avoid prolonged contact, follow general information above.

Symptoms and Effects, Both Acute and Delayed:

Acute or delayed adverse effects during normal use are not known. However if adverse health effects do arise, seek medical attention.

Immediate Medical Attention and Special Treatment:

None Known.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water, Carbon Dioxide, Dry Powder and Foam are all suitable.

Unsuitable Extinguishing Media:

None Known.

Special Hazards Arising from the mixture:

May produce toxic fumes of carbon dioxide and carbon monoxide.

Advice for Fire fighters:

Wear self-contained breathing apparatus (SCBA) with protective clothing. Spillage and fire-fighting water could cause pollution of watercourse.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Non-Emergency Responders:

Contaminated surfaces will be extremely slippery. Avoid contact with skin and eyes. Wear personal protective equipment as outlined in section 8.

Emergency Responders:

No Special Requirements beyond those defined above for Non-Emergency Responders.

Environmental Precautions:

Do not empty into drains, surface water or ground water.

Methods For Cleaning Up:

Use chemical absorbent, pads or socks to prevent spillage from spreading. Transfer spill using shovel or water pump to closed container for disposal by licensed operator.

7. HANDLING & STORAGE

Measures to prevent fire:

None

Prevention of aerosol and dust generation:

None

Measures to protect the environment:

Use chemical absorbent pads to prevent contamination of drains, surface or ground water.

General occupational hygiene:

Should be handled in accordance with good industrial safety and hygiene practices.

Storage conditions:

Store between 5-30 °C for product integrity.

Packaging materials:

No special requirements.

Requirements for storage rooms & vessels:

No special requirements.

Storage class:

12 Non-combustible liquids

Further information on storage conditions:

Small amounts of volatile organic compounds may accumulate in the headspace of containers which should be opened in well ventilated areas.

Specific end use:

As adhesive for general packaging and industrial bonding.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:	N/A
Personal protective equipment:	
Eye & face protection:	Safety glasses with side shields if there is a risk of splashing.
Hand protection:	Suitable chemical resistant gloves.
Skin protection:	Normal work clothing, e.g. overalls.
Respiratory Protection:	None required.
Thermal Hazards:	N/A
Environmental Exposure Control:	Prevent uncontrolled release into the environment; no chemical safety report required. Refer to section 6.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White Opaque liquid.
Odour:	Slight specific.
pH:	~5.5
Solubility in water:	Miscible in all proportions.
Boiling Point:	Approximately 100°C at 101.3kPa
Flash Point:	N/A
Melting Point:	N/A
Auto flammability:	N/A
Explosive Properties:	N/A
Oxidising Properties:	N/A
Vapour Pressure:	23 mbar at 20°C
Relative Density:	1.05
Viscosity:	35 Poise at 25°C

10. STABILITY AND REACTIVITY

Reactivity:	None known.
Chemical Stability:	Under storage at normal ambient temperatures (5°C to + 30°C), the product is stable.
Possibility of hazardous reactions:	None known.
Conditions to avoid:	None under foreseeable conditions of use.
Materials to avoid:	Avoid contact with strong reducing agents and chemicals that react with water.
Hazardous decomposition products:	In case of fire, the decomposition fume contains for the most part carbon dioxide (CO ₂) carbon monoxide (CO) and water (H ₂ O).

11. TOXICOLOGICAL INFORMATION

The following information is provided for analogues products as the individual formulation has not been tested.

Acute toxicity:	LD50 oral, rat: >2000 mg/kg (not toxic)
Corrosive and irritant effects:	Non-Irritant. No corrosive or irritating effects known for skin or eyes.
Sensitising effects:	No sensitising effects known.
Long term effects:	No long term effects known.



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12. ECOLOGICAL INFORMATION

The following information is provided for analogues products as the individual formulation has not been tested.

Toxicity (bacteria):	EC0 ~ 1,000 mg/L (OECD 209)
Acute toxicity (fish):	LC50 (zebra fish) > 500 mg/L; 96 hours (OECD 23).
Persistence & degradability:	biodegradation > 80% (Zahn-Wellens-Test).
Bioaccumulation:	Not expected (self assessment).
Water hazard class (WGK):	1: low hazard to waters (Self assessment).
Chemical Oxygen Demand (COD):	1,200 mg/g (calculated).

13. DISPOSABLE CONSIDERATIONS

Waste treatment methods:	Unknown.
Product Disposal:	Disposal of in compliance with local or state regulations governing the disposal of waste. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal. Diluted solution may be introduced into a biological purification plant, with permission of the responsible authorities.
Packaging Disposal:	Contaminated packaging should be emptied as far as possible and after appropriate cleaning may be taken for reuse. Local or State regulations concerning reuse of packaging must be observed. The product is non-toxic and therefore presents a low environmental risk and therefore in general both the empty container and product residue may be disposed of through registered waste carriers or licensed managers. 5. 10 & 25 Kg drums are non-returnable however systems are in place for the collection and re-use of 125 Kg, 200Kg & 1050Kg containers, please contact a local representative.
European Waste Catalogue (EWC):	08 04 16 Aqueous liquid waste containing adhesives or sealants, not otherwise specified.

14. TRANSPORT INFORMATION

Transport Classification:	Not classified as dangerous goods for road transport (RID/ADR), inland barges (ADNR), sea transport (IMDG) or air transport (IATA/ICAO).
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15. REGULATORY INFORMATION

Classification Labelling and Packaging:	Based upon the chemical composition, available data and exposure experience, this product is not classified as dangerous according to the European Commission directives 67/548/EEC (DSD) or 1999/45/EC (DPD) (including all adaptation directives), the UN Globally Harmonized System of classification and labelling of chemicals (GHS) and the EU Regulation No 1272/2008 on Classification, Labelling and Packaging (CLP) of substances and mixtures (EU-GHS).
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Reach Regulation 1907/2006/EC:

This product is exempted from registration according to the provisions in Article 2 of REACH Regulation 1907/2006/EC. As consequence a Chemical Safety Assessment is not required.

This product is not subject to authorization as imposed under title VII or restriction as imposed under title VIII.

WGK Class:

1.

WGK Reg. No.:

662.

WGK Source:

Classification according to VwVwS, Annex 1 or 2.

16. OTHER INFORMATION

Traces of residual vinyl acetate may be found in this product (<1,000 ppm)

List of relevant identified Uses:

It is believed that the following uses are being registered by our raw material suppliers for all components used in our formulations. Until such time that identified uses are formally communicated by all suppliers we are unable to guarantee that these uses will be covered.

Sector of Use: SU3 Industrial Manufacturing, SU6 Manufacture of pulp, paper and paper products.

Product Category: PC1 Adhesives, Sealants.

Process Categories: Proc7 Industrial Spraying, Proc10 Roller application or brushing, Proc11 Non Industrial Spraying.

Articles: AC0 Other articles, AC8-1 & AC8-2 Paper products, AC13-1 Commercial/consumer plastic products like disposable dinner ware, food storage, food packaging, baby bottles.

Classification to Regulation (EC) No 1272/2008:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. However a safety data sheet is being supplied for it on request.

List of R-phrases:

None assigned to product.

Raw materials:

R21/22 Harmful in contact with skin and if swallowed

R22 Harmful if swallowed

R23 Toxic by inhalation

R34 Causes burns

R37/38 Irritating to respiratory system and skin

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

R50 Very toxic to aquatic organisms

Revision Information:

Revised format. Changes in all sections.

This Safety Data Sheet has been compiled in accordance with Annex II of Regulation (EC) No.1907/2006 (REACH) as amended by Regulation (EC) No. 453/2010.

Chain Communication:

The recipient of this SDS is hereby strongly advised to inform its customer who will be using this product, of the information contained herein, preferably by providing such customer with a copy of this SDS.



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Disclaimer:

All information in this SDS is based on available data, applicable cross-references to comparable substances, our practical experience and reliable laboratory evaluations. However, the information is provided without warranty, expressed or implied, regarding its correctness. For this and any other reasons, we cannot assume responsibility for its use, the circumstances under which the products are stored, handled or disposed. If the product is used as a component in another product, the information in this SDS may not be applicable. The user should make a risk assessment for the process installation and the operational procedures used. Recommendations and suggestions for the use of our materials are based on our best experience and knowledge and are intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that products are suitable for their applications. Paфра Adhesives Ltd shall not be liable for any defects in our products or any other liabilities which you may suffer which arise from a failure on your part to follow our instructions as set out in the attached technical data sheet. The Paфра Adhesives logo, AquaPAL® and ThermoPAL® are all trademarks of Paфра Adhesives Ltd.