



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

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|--|-----------------------|--|
| PERMOSEAL (PTY) LTD | Tel. | +27 (0)21 555-7400 |
| Beverley Close | Fax | +27 (0)21 552-1848 |
| Montague Gardens, 7441 | Toll-free No. | 0800 222 400 |
| Cape Town | Website | www.alcolin.com |
| TRADE NAME ALCOLEX 341 | Chemical abstract no. | Mixture |
| Chemical family Water soluble polymer | NIOSH no. | Unknown |
| Chemical name Polyvinyl Acetate dispersion in water | Hazchem code | Non-hazardous material |
| Synonyms Vinyl Acetate adhesive | UN no. | Non-hazardous material |

2. COMPOSITION / INFORMATION OF INGREDIENTS

| Ingredient | CAS No. | Approx. (%) | Hazard Classification and Risk Phrases |
|--------------------|---------|-------------|--|
| Di-Butyl Phthalate | 84-74-2 | <10% | Unknown |

3. HAZARDS IDENTIFICATION NONE

4. FIRST-AID MEASURES

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| Product in eyes | Remove any contact lenses from the eyes before rinsing thoroughly with plenty of water (lift eye lids). Rinse for at least 15 minutes. Seek medical attention if any discomfort continues |
| Product on skin | Wash skin with soap and water – do not use solvents! Seek medical attention if irritation persists after washing |
| Product ingested | Never make an unconscious person vomit or drink fluids. Get the affected person to drink a lot of water in small gulps. Do not induce vomiting. Seek medical attention if discomfort continues |
| Product inhaled | Not applicable |

5. FIRE-FIGHTING MEASURES

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| Extinguishing media | Water, dry chemical powder, foam, carbon dioxide or sand |
| Special hazards | In case of fire, hazardous combustion-gases are formed – CO. Under certain conditions of combustion traces of other toxic substances cannot be excluded |
| Protective clothing | In case of fire, wear respiratory protection |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions | Surface may be slippery |
| Environmental precautions | Avoid contamination of ground and water surfaces |
| Small spills | if recovery is not feasible, absorb with dry sand, soil or non-reactive absorbent material or coagulate by sprinkling sodium chloride over the spill. If product has dried, scrape off the ground. Place in a container suitable for disposal |
| Large spills | Stop leak if without risk. Ventilate area. Prevent entry into drains or sewers. Clean as per small spills |

7. HANDLING AND STORAGE

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| Suitable material | Steel container lined with polyethylene or polypropylene, polyethylene, PVC containers |
| Storage precautions | Keep product in a sealed container at temperatures between 5 and 30°C. Minimize contact with atmosphere to prevent contamination with micro-organisms |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| Occupational exposure limits | None |
| Engineering controls | Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above |
| Respiratory Protection | Not required under normal conditions of use in a well-ventilated space |
| Hand Protection | Rubber gloves should be used if there is a risk of direct contact onto skin |
| Eye Protection | Safety glasses |
| Skin Protection | Observe the usual precautions when handling chemicals. Remove soiled or soaked clothing immediately |
| Other Protection | Wash hands at the end of each work shift and before eating |

9. PHYSICAL PROPERTIES

- Appearance White Viscous Liquid
 - Odour Characteristic PVAc
 - pH Approx 4.0
 - Boiling point Approx 100°C
 - Explosive properties None
 - Oxidising properties None
 - Density (g/cm³ @ 20°C) Approx 1.06
 - Solubility water Miscible
 - Solubility solvent Incompatible
 - Solubility coefficient Unknown
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10. STABILITY AND REACTIVITY

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| Conditions to avoid | Exposed air will form dry polymer skins. Avoid temperature extremes: below 5°C and above 30°C |
| Incompatible materials | Organic solvents, strong acids, strong alkalis, salts |
| Hazardous decomposition products | None |

11. TOXICOLOGICAL INFORMATION

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. Based on its components, this product is unlikely to result in any detrimental ecological effects

13. DISPOSABLE CONSIDERATIONS

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| Disposal methods | Whatever cannot be saved for recovery or recycling should be handled according to current local waste disposal legislation. Do not allow to enter drains or sewers. Do not allow to enter any body of water |
| Disposal of packaging | Contaminated packaging should be emptied as far as possible and after appropriate cleaning may be taken for reuse or disposed of in approved facility in accordance with current local legislation |

14. TRANSPORT REGULATIONS

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|------------------------------|-----------|------------------------|
| UN no | | Non-hazardous material |
| Substance identity no. | | Non-hazardous material |
| Road / rail transport | ADR / RID | Non-hazardous material |
| Marine Transport | IMDG | Non-hazardous material |
| Inland waterways | ADNR | Non-hazardous material |
| Air transport | IATA | Non-hazardous material |

15. REGULATORY INFORMATION

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|---------------------------|------------------------|
| EEC hazard classification | Non-hazardous material |
| Risk phrases | n/a |
| Safety phrases | n/a |
| National legislation | n/a |

16. OTHER INFORMATION

For intended use and applications see the Technical Data Sheet for the product. The information provided in this Material Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our product must take responsibility for observing existing laws and regulations