



SAFETY DATA SHEET

5222

WAX RESIST

1. Identification of substance/preparation and of the company undertaking

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| Trade Name: | Wax Resist |
| Chemical Name: | Petroleum Emulsion |

2. Composition /information on ingredients

Ingredients considered hazardous to health:

| Substance Name | Weight(%) | EU Classification |
|------------------------|-----------|-------------------------------|
| Formaldehyde (50-00-0) | <1 | T; R23/24/25 C;R34 Xn;R40 R43 |

Notes: EC Symbol(s); T Toxic, C Corrosive, Xn Harmful
See Section 15 for European Label Information

3. Hazards Identification

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| Effects of overexposure: | Exposure to airborne concentrations of formaldehyde in excess of 0.1 ppm may cause discomfort in the stomach and pharynx and irritation of the eyes, nose and throat of some individuals. Sensitisation may also occur in some individuals. |
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4. First Aid Measures

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| Eye Contact: | Flush thoroughly with water. If irritation occurs, call a doctor. |
| Skin Contact: | Wash contact areas with soap and water. |
| Inhalation: | Remove from further exposure. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek medical assistance and call an ambulance. If breathing has stopped, use mouth to mouth resuscitation. |
| Ingestion: | Not expected to be a problem. However, if greater than ½ litre (pint) is ingested or if feeling uncomfortable, give 1 to 2 glasses of water and obtain medical attention or call an ambulance for assistance. DO NOT INDUCE VOMITING or give anything by mouth to an unconscious person. |



5. Fire Fighting Hazards

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| Extinguishing Media: | Carbon Dioxide, foam, dry chemical and water fog. | |
| Special Fire Fighting procedures: | This material will NOT burn; however use standard chemical fire-fighting procedures and consider the hazards of other involved materials. Prevent run-off from fire control or dilution from entering waterways or drinking water supply. | |
| Special Protective Equipment: | For fires in enclosed areas, fire-fighters MUST use self-contained breathing apparatus. | |
| Unusual Fire and Explosion Hazards: | Wax will burn if water evaporates from emulsion. May generate irritating vapours when burning. | |
| | Flash Point °C(°F): | N/A |
| | Flammable limits: | LEL NA, UEL NA. |
| | NEPA Hazard ID: | - |
| | Health: | 0 |
| | Flammability: | 0 |
| | Reactivity: | 0 |
| Hazardous Decomposition Products: | Carbon Monoxide. Paraffin fumes. | |

6. Accidental Release Measure

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| Notification procedures: | Report spills as required to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. |
| Procedures if material is released or spilled: | Contain and absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal. |
| Environmental precautions: | Prevent spills from entering storm sewers or drains and contact with soil. |
| Personal Precautions: | See Section 8. |

7. Handling & Storage

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| Handling: | Avoid prolonged repeated skin contact and breathing vapours or mists. |
| Storage: | Keep from freezing. Store above 4°C. |



8. Exposure Control/Personal Protection

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| Ventilation: | Use in well ventilated areas. | | | | |
| Respiratory Protection: | No special requirements under ordinary conditions of use and with adequate ventilation. | | | | |
| Eye Protection: | Normal industrial eye protection practises should be employed. | | | | |
| Skin Protection: | If prolonged or repeated skin contact is likely, impervious gloves should be worn. Good personal hygiene practices should always be followed | | | | |
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| Exposure Limits: | | | | | |
| Substance Name (CAS-No) | Source | TWA | | STEL | |
| | | ppm | mg/m³ | ppm | mg/m³ |
| Formaldehyde (50-00-0) | ACGIH | | | 0.3 | 0.37 |
| | Ceiling | | | | |
| | UKMEL | 2 | 2.5 | 2 | 2.5 |
| | ***** | 1 | | | |
| | | | | | |
| ***** = Company adopted Threshold Limit Values | | | | | |
| UKMEL = UK Maximum exposure limit. | | | | | |
| Note: Limits shown for guidance only. Follow applicable regulations. | | | | | |

9. Physical & Chemical Properties

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| Physical State: | Emulsion |
| Colour: | Milk White |
| Odour: | Bland |
| Odour Threshold- ppm: | Not Established |
| pH: | 8.5 |
| Boiling point °C(°F): | > 100° (212°) |
| Melting Point °C(°F): | > 0° (32°) |
| Flash Point °C(°F): | N/A |
| Flammability: | Not Established |
| Auto Flammability: | N/A |
| Explosive Properties: | N/A |
| Oxidising Properties: | N/A |
| Vapour Pressure – mmHg 20°C: | < 17.5 |
| Vapour Density: | > 2.0 |
| Evaporation Rate: | Not Established |
| Relative Density, 15/4 °C: | 0.95 |
| Solubility in water: | Emulsifies |
| Partition Coefficient: | > 3.5 |
| Viscosity at 40°C, cSt: | N/A |
| Viscosity at 100°C cSt: | N/A |
| Pour Point °C(°F): | < 5° (41°) |
| Freezing Point °C(°F): | Not Established |



10. Stability & Reactivity

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| Stability (Thermal, light, etc.): | Stable |
| Conditions to avoid: | Heat. Heat produces dehydration. Freezing temperatures. |
| Incompatibility (materials to avoid): | Strong oxides. |
| Hazardous Decomposition Products: | Carbon Monoxide. Paraffin fume. |
| Hazardous Polymerisation: | Will not occur. |

11. Toxicological Information

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| Oral Toxicity: | Practically non-toxic (LD50: greater than 2000 mg /kg) – Based on testing of similar products and/or components. |
| Dermal Toxicity: | Practically non-toxic (LD50: greater than 2000 mg /kg) – Based on testing of similar products and/or components. |
| Inhalation Toxicity: | Not Established |
| Eye Irritation: | Practically non-irritating. (Draize score: greater than 6 but 15 or less) – Based on testing of similar products and/or components. |
| Skin Irritation: | Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3) – Based on testing of similar products and/or components. |
| Chronic Toxicology: | This product contains formaldehyde which has caused nasal cancer at 15ppm in laboratory studies. NIOSH recommends formaldehyde be handled as a suspected human carcinogen. |

12. Ecological Information

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| Environmental fate and effects: | Not established. |
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13. Disposal Considerations

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| Waste Disposal: | The product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal. |
| European Waste Code: | 12 03 02 (steam degreasing wastes) Waste generated from the intended use of this product is assigned the above waste disposal code. However, deviation from the intended use and/or the presence of any potential contaminations may require an alternative waste disposal code to be assigned by the end user. |



14. Transport Information

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| USA DOT: | Not regulated by USA DOT. |
| RID / ADR: | Not regulated by RID / ADR. |
| IMO: | Not regulated by IMO. |
| IATA: | Not regulated by IATA. |

15. Regulatory Information

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| EU Labelling: | EU Labelling not required. | |
| The following product ingredients are cited on the lists below: | | |
| Chemical Name | CAS No. | List Citations |
| Formaldehyde | 50-00-0 | 2, 5 |

16. Other Information

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| Use: | Wax emulsion for paper, wood and latex products. |
| Note: | This product should not be used for any other purpose without expert advice. |
| COSHH Regulations: | Product reviewed and no action under COSHH considered necessary for the product as supplied. However, under certain conditions (i.e. overheating of the product) wax fumes are generated and the Regulations must be followed and measures taken to control exposures to below the occupational Exposure Standard or wax fumes. |
| Notes: | Product is not formulated to contain PCBS. |