



## SAFETY DATA SHEET

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### Pumarend LW (Resin Component)

Revision 3  
Revision date 19-Mar-2007

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** Pumarend LW (Resin Component)  
**Company** Resdev Ltd  
Pumafloor House  
Ainleys Industrial Estate  
Elland  
HX5 9JP  
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www.resdev.co.uk  
**Telephone** +44 (0)1422 379131  
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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

##### Hazardous ingredients

|   | Conc.    | CAS        | EINECS    | Symbols/Risk phrases          |
|---|----------|------------|-----------|-------------------------------|
| Bisphenol A-(epichlorohydrin) (reaction product)                                  | 60 - 70% | 25068-38-6 | 500-033-5 | Xi; R36/37/38 R43 N; R51/53   |
| 2-methoxy-1-methylethyl acetate<br>(1-Methoxypropylacetate)                       | 1 - 10%  | 108-65-6   | 203-603-9 | R10 Xi; R36                   |
| Glycidylether of a C12/C14-alcohol mixture  | 10 - 20% | 68609-97-2 | 271-846-8 | Xi;R36 Xi;R38 Xi;R43 N;R51/53 |
| Bisphenol F - epichlorohydrin resin with Number<br>Average Molecular Weight < 700 | 1 - 10%  | 9003-36-5  |           | Xi;R36 Xi;R38 Xi;R43 N;R51/53 |
| C.I. Pigment Red 101<br>(Rouge respirable)  | 1 - 10%  | 1309-37-1  |           |                               |

#### 3. HAZARDS IDENTIFICATION

**Main hazards** Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 4. FIRST AID MEASURES

**Skin contact** Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water. Remove contaminated clothing.  
**Eye contact** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  
**Inhalation** Move the exposed person to fresh air.  
**Ingestion** Immediate medical attention is required. DO NOT INDUCE VOMITING.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Use as appropriate: carbon dioxide (CO2). Sand.  
Do NOT use dry chemical. Water jet, foam, ..  
**Fire hazards** Burning produces irritating, toxic and obnoxious fumes.  
**Protective equipment** Wear: Self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Wear suitable protective equipment.  |
| <b>Environmental precautions</b> | Do not allow product to enter drains. Do not flush into surface water. Do not let product contaminate subsoil.                       |
| <b>Clean up methods</b>          | Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean area thoroughly with detergent. |

## 7. HANDLING AND STORAGE

|                 |   |
|-----------------|---|
| <b>Handling</b> | Avoid contact with eyes and skin.   |
| <b>Storage</b>  | Store at temperatures between 10 °C and 30 °C. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

|   |   |  |
|---|---|--|
| 2-methoxy-1-methylethyl acetate<br>(1-Methoxypropylacetate) | WEL 8-hr limit ppm: 50<br>WEL 15 min limit ppm: 100 | WEL 8-hr limit mg/m3: 274<br>WEL 15 min limit mg/m3: 548 |
| C.I. Pigment Red 101<br>(Rouge respirable)                  | WEL 8-hr limit ppm: -<br>WEL 15 min limit ppm: -    | WEL 8-hr limit mg/m3: 4<br>WEL 15 min limit mg/m3: -     |
| C.I. Pigment Red 101<br>(Rouge total inhalable)             | WEL 8-hr limit ppm: -<br>WEL 15 min limit ppm: -    | WEL 8-hr limit mg/m3: 10<br>WEL 15 min limit mg/m3: -    |
| C.I. Pigment Red 101<br>(Iron oxide, fume (as Fe))          | WEL 8-hr limit ppm: -<br>WEL 15 min limit ppm: -    | WEL 8-hr limit mg/m3: 5<br>WEL 15 min limit mg/m3: 10    |

|                                       |  |
|---------------------------------------|--|
| <b>Engineering measures</b>           | Ensure adequate ventilation of the working area.     |
| <b>Occupational exposure controls</b> | Keep away from food, drink and animal feedingstuffs. |
| <b>Respiratory protection</b>         | Wear: Suitable respiratory equipment.                |
| <b>Hand protection</b>                | Nitrile rubber gloves. Butyl rubber gloves.          |
| <b>Eye protection</b>                 | Approved safety goggles.                             |
| <b>Protective equipment</b>           | Protect clothing from contact with the product.      |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |  |
|-------------------------|--|
| <b>Description</b>      | Liquid.  |
| <b>Colour</b>           | Cream.   |
| <b>Odour</b>            | Slight.  |
| <b>Relative density</b> | 1.15 - 1.25  |
| <b>Viscosity</b>        | Flow Time in 3mm ISO cup (ISO 2431) - 9 - 12 poise @ 20 °C |

## 10. STABILITY AND REACTIVITY

|                            |  |
|----------------------------|--|
| <b>Stability</b>           | Stable under normal conditions.        |
| <b>Conditions to avoid</b> | Heating produces hazardous fumes.      |
| <b>Materials to avoid</b>  | Strong bases. Strong oxidising agents. |

## 11. TOXICOLOGICAL INFORMATION

|                       |  |
|-----------------------|--|
| <b>Acute toxicity</b> | No data is available on this product.    |
| <b>Sensitization</b>  | May cause sensitisation by skin contact. |

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No data is available on this product.  
**Degradability** Not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**General information** Dispose of in compliance with all local and national regulations.  
**Disposal of packaging** Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

### ADR/RID

|                             |   |                      |     |
|-----------------------------|---|----------------------|-----|
| <b>UN</b>                   | 3082  | <b>Packing group</b> | III |
| <b>Class</b>                | 9   | <b>Hazard ID</b>     | 90  |
| <b>Proper Shipping Name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |                      |     |

### IMDG

|                 |         |                         |     |
|-----------------|---------|-------------------------|-----|
| <b>UN</b>       | 3082    | <b>Packing group</b>    | III |
| <b>Class</b>    | 9       | <b>Marine pollutant</b> | .   |
| <b>EmS Code</b> | F-A S-F |                         |     |

### IATA

|  |      |                         |       |
|--|------|-------------------------|-------|
| <b>UN</b>                              | 3082 | <b>Packing group</b>    | III   |
| <b>Class</b>                           | 9    | <b>Subsidiary risk</b>  | -     |
| <b>Packing Instruction (Cargo)</b>     | 914  | <b>Maximum quantity</b> | 450 L |
| <b>Packing Instruction (Passenger)</b> | 914  | <b>Maximum quantity</b> | 450 L |

## 15. REGULATORY INFORMATION

**Labelling** P5 - Contains epoxy constituents. See information supplied by the manufacturer.

**Symbols** Xi - Irritant; N - Dangerous for the environment



**Risk phrases**  
R36/38 - Irritating to eyes and skin.  
R43 - May cause sensitisation by skin contact.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases**  
S24 - Avoid contact with skin.  
S29 - Do not empty into drains.  
S37 - Wear suitable gloves.

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## 16. OTHER INFORMATION

**Text of risk phrases in**

R10 - Flammable.

**Section 2**

R36 - Irritating to eyes.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R38 - Irritating to skin.

R43 - May cause sensitisation by skin contact.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.