# HEALTH AND SAFETY INFORMATION

## PRODUCT SAFETY DATA SHEET

**DATE:** 14/08/09

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

**NAME OF MANUFACTURER/SUPPLIER:** Kestrel Thermoplastics Ltd.

**ADDRESS:** 89 Drumagarner Road, Kilrea, Co. Derry, N. Ireland BT51 5TE

Telephone No: +44 (0) 28 2954 0906  
Fax No: +44 (0) 28 2954 1140

**PRODUCT NAME:** Preflex - White grades

**PRODUCT TYPE:** Pigmented thermoplastic resin

**APPLICATION:** For use as an horizontal road marking material

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**General:** Contains synthetic resin, highly refined mineral oil, aggregates, extenders, polymers, solid pigments, and reflective glass beads (reflective grades only)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification and risk phrases</th>
<th>Wt.%</th>
<th>CAS Number</th>
</tr>
</thead>
</table>

### 3. HAZARDS IDENTIFICATION

This product has been assessed according to the CHIP 3 Regulations and does not contain any hazardous ingredients.

Precautions should be taken against the possibility of burns due to the high temperatures at which the product is applied.
4. FIRST AID MEASURES

**Powder Form**

**Eyes:** Irrigate thoroughly with copious amounts of water. If irritation persists, seek medical attention.

**Skin:** Wash thoroughly with soap and water.

**Inhalation:** Move person to fresh air. If recovery is not rapid, seek medical attention.

**Ingestion:** Wash out mouth with water. Obtain medical attention showing this sheet.

**Molten Form**

**Eyes:** Immediately flush eyes with copious amounts of sterile water to dissipate heat and minimise injury. Seek immediate medical attention showing this sheet.

**Skin:** Immediately immerse or flush the affected part with copious amounts of sterile water to dissipate heat and limit injury. No attempt should be made to remove thermoplastic or any clothing that may be fused to damaged area. Seek medical attention showing the sheet.

**Inhalation:** In normal industrial use First Aid is not normally required for inhalation of fumes except to remove the person to fresh air.

**Ingestion:** Seek medical attention.

**Medical Note**

This composition is soluble in aromatic solvents i.e. Toluene, Xylene or in chlorinated hydrocarbon solvents – Chloroform, Dichloromethane (Long exposure to these types of solvent is harmful).

5. FIRE FIGHTING MEASURES

**Flammability:** Product is not classified as flammable but will support combustion

**Flash Point:** >230°C (pmcc)

**Extinguishing Media:** Foam, dry powder, CO²

**Products of Combustion:** Carbon, oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Dust masks and protective workwear

**Environmental Precautions:** Prevent entry into drains, sewers and water courses

**Decontamination Procedures:** Scrape or shovel up and transfer to suitable containers

Clean affected area
### 7. HANDLING AND STORAGE

Protect from water by storing under cover if possible  
Storage temperature 0 - 40°C  
Provide suitable mechanical equipment for safe handling of heavy packages  
Care should be taken during application to prevent the risk of burns from propane torches.

### 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

**Engineering Control Measures:** Local exhaust ventilation is recommended when excessive dusting of fuming occurs.  
**Personal Protection:** Avoid skin and eye contact. Wear protective gloves in cases of any possibility of skin contact and to protect against burns from hot material. Use air fed respirators with dust filters in enclosed areas. Change contaminated clothing and thoroughly clean before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.98</td>
</tr>
<tr>
<td>Odour</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point / Range (°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>Pour Point / Melting Range (°C)</td>
<td>&gt;95</td>
</tr>
<tr>
<td>Flash Point (Closed, °C)</td>
<td>&gt;230</td>
</tr>
<tr>
<td>Auto-flammability(°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION**

### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable, will not polymerise</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Strong oxidising agents</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Irritant fumes. <strong>DO NOT</strong> breathe combustion fumes.</td>
</tr>
</tbody>
</table>
11. TOXICOLOGICAL INFORMATION

The following toxicological information is based on a knowledge of the toxicity of the product’s components.

**HEALTH EFFECTS**

<table>
<thead>
<tr>
<th>On Eyes:</th>
<th>May cause transient irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Skin:</td>
<td>Unlikely to cause harm on brief or occasional contact</td>
</tr>
<tr>
<td>By Inhalation:</td>
<td>May irritate the respiratory tract</td>
</tr>
<tr>
<td>By Ingestion:</td>
<td>May cause nausea, vomiting and diarrhoea</td>
</tr>
<tr>
<td>Chronic:</td>
<td>Repeated and prolonged skin contact may lead to skin disorders</td>
</tr>
<tr>
<td>Other:</td>
<td>-</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

- **Biodegradability:** Not determined
- **Chemical Oxygen Demand (mg.02/l):** Not determined
- **May be harmful to aquatic life:**

13. DISPOSAL RECOMMENDATIONS

Place used and contaminated materials/packaging in suitable containers. Dispose of as controlled waste in accordance with Duty of Care regulations. (Environmental Protection Act 1990 - Section 34[7]) using a licensed waste disposal company.

14. TRANSPORTATION INFORMATION

- **Classification for Transport:**
- **Customs Classification Number:** 39 111 000
- **UN Number:**
- **Packaging Group:** N/A
- **Shipping Name:**
- **IMO Class:** N/A
- **Marine Pollutant:** No
- **ADR/RID:** N/A
- **ICAO/IATA:** N/A
15. REGULATORY INFORMATION

Hazard Label Data:
Classification: This product is not classified as dangerous for supply in the UK.
Statutory Instruments: The Health and Safety at Work, etc. Act 1974
Consumer Protection Act 1987
Environmental Protection Act 1990
Control of Substances Hazardous to Health 2002
Chemicals (Hazards Information and Packaging for Supply) Regulations 2002
Waste Management Regulations (NI) 2006

16. OTHER INFORMATION

The data and advice given, apply when the product is sold for the stated application. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application without seeking advice from us. If you have purchased the product for supply to a third party it is your duty to take all the necessary steps to ensure that any person handling or using the product is provided with the information on this sheet. If you are an employer, it is your duty to tell your employees and others who may be affected, of any hazards described in this sheet, and of any precautions which should be taken.

Approved Codes of Practice:

Guidance Notes: Preventing Dermatitis at Work INDG 233
Medical aspects of occupational skin disease(MS 24)
Workplace Exposure Limits (EH 40)
The above publications are available from HMSO and HSE sources.
www.hse.gov.uk
www.opsi.gov.uk

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