**SAFETY DATA SHEET**

<table>
<thead>
<tr>
<th>REFERENCE NUMBER:</th>
<th>ISSUE:</th>
<th>DATE:</th>
<th>PICTURE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>076</td>
<td>3</td>
<td>July 2001</td>
<td></td>
</tr>
</tbody>
</table>

1. **PRODUCT IDENTIFICATION:**

   FLEXILINE – YELLOW

   Prismo Traffic Products
   First Avenue
   Westfield Trading Estate
   Midsomer Norton
   Radstock
   BA3 4BS

   Tel: +44 (0) 1761 414824
   Fax: +44 (0) 1761 419472

2. **COMPOSITION:**

   Thermoplastic preformed road markings containing hydrocarbon resin, polymers, lead chromate pigment, extender, glass beads and aggregate. Used hot.

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>Health (Class)</th>
<th>CAS No.</th>
<th>R Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Pigment (pigment 34)</td>
<td>&lt; 5%</td>
<td>T, N</td>
<td>001344-37-2</td>
<td>R40, 61, 62, 33 R50,53</td>
</tr>
</tbody>
</table>

3. **HAZARD IDENTIFICATION:**

   Toxic. Toxic to aquatic organisms.

4. **FIRST AID MEASURES:**

   **General:**
   In all cases of doubt, or where symptoms persist, seek medical attention.

   **Eye Contact:**
   Irrigate eye immediately with copious amounts of water for at least 10 minutes. Seek medical help at once in the case of hot product.

   **Skin Contact:**
   If splashed with hot material, immerse immediately in cold water. Seek medical help. Wash thoroughly with soap and water following contact with cold product.

   **Inhalation:**
   Remove to fresh air. Restore breathing if necessary. Seek medical help.

   **Ingestion:**
   Seek medical advice.

5. **FIRE FIGHTING MEASURES:**

   **Extinguisher Types Recommended:**
   CO₂ or dry powder.

   **Special Precautions:**
   Do not use water.

6. **ACCIDENTAL RELEASE MEASURES:**

   Shut off source. Contain the spillage. Allow to solidify.

7. **HANDLING AND STORAGE:**

   **Recommended Storage Conditions:**
   Supplied in sheet or tape form. Keep cool and dry.

   **Temperature:**
   Cool.

   **Electrical Grounding:**
   Yes.

   **Storage Section of Area:**
   -

N/A = Not Applicable   NDA = No Data Available
Handling Precautions: Ensure adequate ventilation – avoid creating and breathing dust. Avoid skin contact. Do not breathe fumes from hot product. Launder contaminated clothing regularly.

Environmental Precautions: -

Fire Prevention Measures: Keep away from sources of ignition and heat. No smoking. Avoid formation of flammable dust clouds.

8. **EXPOSURE CONTROLS & PERSONNEL PROTECTION:**

| Respiratory protection: | Mask or Filter | X | Respirator | (when heating product) |
| Hand Protection | Gloves | X | Type: Riggers type. |
| Eye Protection: | Safety Glasses | X | Goggles | X | Face Shield | |
| Skin Protection: | Apron | | Protective Creams | | Overalls | X | Boots | X |

- (Kerodex 71 or Rozalex No 9) (flame retardant)

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS No.</th>
<th>STD</th>
<th>LT Exp. (8 hrs)</th>
<th>ST Exp. (15 min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Compounds</td>
<td></td>
<td></td>
<td>0.15 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Comments: LT Exp. = Long Term Exposure Limits
ST Exp. = Short Term Exposure Limits

9. **PHYSICAL AND CHEMICAL PROPERTIES:**

| Appearance/Form: | Solid yellow tape or sheet. |
| Odour: | None. |
| Boiling Point: | NDA. |
| Flash Point: | > 230°C. |
| Volatility by Volume (%): | - |
| Melting Point: | NDA |
| Decomposition Temperature of Pigment: | NDA |
| Auto Ignition Temperature: | NDA |
| Specific Gravity (at 25°C): | 1.9 ± 0.1 Kg/l. |
| Volatility: | N/A |
| Solubility/Miscibility in Water: | Insoluble. |
| pH Value: | N/A |
| Viscosity: | N/A |

10. **STABILITY AND REACTIVITY:**

Stability: Stable.
Conditions to Avoid: Sources of ignition. Water or damp. Wet or damp materials could foam/spit when heated.

Materials to Avoid: -

Hazardous Decomposition Products: Harmful fumes released (including carbon monoxide) upon combustion.

Hazardous Polymerisation: -

### 11. TOXICOLOGICAL INFORMATION:

**Eye Contact:** Hot product - Burns if splashed. Vapours – irritating to eyes.

**Skin Contact:** Hot product - Will burn skin. Abrasive if rubbed in.

**Inhalation:** Hot product - Vapours – irritating to respiratory system.

**Ingestion:** Mildly toxic (could lead to lead poisoning if repeated).

**Chronic Effects:** Repeated and prolonged exposure to lead compounds is harmful. Lead compounds accumulate in the body causing chronic lead poisoning*.

### 12. ECOLOGICAL INFORMATION:

Do not allow to enter drains, rivers or watercourses.

### 13. DISPOSAL INFORMATION:

Dispose of in accordance with national and local regulations. Do NOT empty into drains.

### 14. TRANSPORT INFORMATION:

<table>
<thead>
<tr>
<th>Label for Conveyance:</th>
<th>- Not classified as hazardous for transport</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ROAD:</strong></td>
<td></td>
</tr>
<tr>
<td>UN No:</td>
<td>-</td>
</tr>
<tr>
<td>Hazard Class (ADR):</td>
<td>- ADR Class No: -</td>
</tr>
<tr>
<td>ADR Item No:</td>
<td>- Hazard No (ADR): -</td>
</tr>
<tr>
<td>Marginal:</td>
<td>- ARD Label No: -</td>
</tr>
<tr>
<td>Hazchem Code:</td>
<td>- CEFIC TEC(R) No: -</td>
</tr>
<tr>
<td>Proper Shipping Name:</td>
<td>-</td>
</tr>
<tr>
<td><strong>RAIL:</strong></td>
<td></td>
</tr>
<tr>
<td>Rail Transport Class No:</td>
<td>- Railroad PT: -</td>
</tr>
<tr>
<td><strong>SEA:</strong></td>
<td></td>
</tr>
<tr>
<td>UN Sea No:</td>
<td>- Sea Transport Class No: -</td>
</tr>
</tbody>
</table>
15. **REGULATORY INFORMATION:**

This data sheet was prepared in accordance with Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 [CHIPS II], and Directives 91/155/EEC, 93/112/EC.

* Lead poisoning is a “prescribed disease” under the National Insurance (Industrial Injuries Act) 1965. Lead poisoning is a disease notifiable to the Health and Safety Executive under the Factories Act.

**Label for Supply:**

The pigment content of this product is encapsulated in a thermoplastic binder

**Ingredients to be declared:**

**Risk Phrases:**

**Safety Phrases:**

**EC Directives:**

**Statutory Instruments:** Chemicals (Hazard Information & Packaging) Regulations 1999.

**Approved Code of Practice:** HSE publication “Lead and You – A Statement to Workers using Lead and Lead Compounds”, reference number MS(A)1.

16. **OTHER INFORMATION:**

*It would be helpful in the event of an accident if your employee carried this information at all times.*

**INFORMATION FOR MEDICAL STAFF ONLY – FOR BURNS CAUSED BY THERMOPLASTIC ROAD MARKING MATERIALS**

Thermoplastic road marking material – soluble in ether.

**Information Sources:**

The above data is provided for your information and your attention is drawn to the appropriate package labelling. Users of the product must ensure its proper use in accordance with good industrial practice, proper medical advice and any official or Government notices or publications. This information is furnished gratuitously independent of any sale or the product and does not form part of any contract for sale, nor does it constitute any representation, warranty or condition of merchantability or fitness for a particular purpose.

**EMERGENCY DAYTIME TELEPHONE NUMBER:** +44 (0) 1761 414 824
1. **PRODUCT IDENTIFICATION:** FLEXILINE – WHITE, BLUE, GREEN, BLACK, RED

Prismo Traffic Products
First Avenue
Westfield Trading Estate
Midsomer Norton
Radstock
BA3 4BS

Tel: +44 (0) 1761 414824
Fax: +44 (0) 1761 419472

2. **COMPOSITION:** Thermoplastic preformed road markings containing hydrocarbon resin, polymers, mineral oil, titanium dioxide or other non-lead based pigments, extender, glass beads and aggregate. Used hot.

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>Health (Class)</th>
<th>CAS No.</th>
<th>R Phrase</th>
</tr>
</thead>
</table>

3. **HAZARD IDENTIFICATION:**

4. **FIRST AID MEASURES:**

   **General:** In all cases of doubt, or where symptoms persist, seek medical attention.

   **Eye Contact:** Irrigate eye immediately with copious amounts of water for at least 10 minutes. Seek medical help at once in the case of hot product.

   **Skin Contact:** If splashed with hot material, immerse immediately in cold water. Seek medical help. Wash thoroughly with soap and water following contact with cold product.

   **Inhalation:** Remove to fresh air. Restore breathing if necessary. Seek medical help.

   **Ingestion:** Seek medical advice.

5. **FIRE FIGHTING MEASURES:**

   **Extinguisher Types Recommended:** CO₂ or dry powder.

   **Special Precautions:** Do not use water.

6. **ACCIDENTAL RELEASE MEASURES:**

   Shut off source. Contain the spillage. Allow to solidify.

7. **HANDLING AND STORAGE:**

   **Recommended Storage Conditions:** Supplied in sheet form. Keep cool and dry.

   **Temperature:** Cool.

   **Electrical Grounding:** Yes.

   **Storage Section of Area:** -
<table>
<thead>
<tr>
<th>Handling Precautions:</th>
<th>Ensure adequate ventilation – avoid creating and breathing dust. Avoid skin contact. Do not breathe fumes from hot product. Launder contaminated clothing regularly.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Precautions:</td>
<td>-</td>
</tr>
<tr>
<td>Fire Prevention Measures:</td>
<td>Keep away from sources of ignition and heat. No smoking. Avoid formation of flammable dust clouds.</td>
</tr>
<tr>
<td>8. EXPOSURE CONTROLS &amp; PERSONEL PROTECTION:</td>
<td></td>
</tr>
</tbody>
</table>
| Respiratory protection: | Mask or Filter  
Respirator |
| Hand Protection: | Gloves  
Type: Riggers type. |
| Eye Protection: | Safety Glasses  
Goggles  
Face Shield |
| Skin Protection: | Apron  
Protective Creams  
Overalls  
(fame retardant)  
Boots |
| Ingredient Name | CAS No. | STD | LT Exp. (8 hrs) | ST Exp. (15 min) |
| Comments: | LT Exp. = Long Term Exposure Limits  
ST Exp. = Short Term Exposure Limits |
| 9. PHYSICAL AND CHEMICAL PROPERTIES: | |
| Appearance/Form: | Solid white tape or sheet. |
| Odour: | None. |
| Boiling Point: | NDA. |
| Flash Point: | > 230°C. |
| Volatility by Volume (%): | - |
| Melting Point: | NDA |
| Decomposition Temperature of Pigment: | NDA |
| Auto Ignition Temperature: | NDA |
| Specific Gravity (at 25°C): | 1.9 ± 0.1 Kg/l. |
| Volatility: | N/A |
| Solubility/Miscibility in Water: | Insoluble. |
| pH Value: | N/A |
| Viscosity: | N/A |
| 10. STABILITY AND REACTIVITY: | |
| Stability: | Stable. |
### Conditions to Avoid:
Sources of ignition. Water or damp. Wet or damp materials could foam/spit when heated.

### Materials to Avoid:
- 

### Hazardous Decomposition Products:
Harmful fumes released (including carbon monoxide) upon combustion.

### Hazardous Polymerisation:
- 

#### 11. **TOXICOLOGICAL INFORMATION:**

**Eye Contact:**
Hot product - Burns if splashed. Vapours – irritating to eyes.

**Skin Contact:**
Hot product - Will burn skin. Abrasive if rubbed in.

**Inhalation:**
Hot product - Vapours – irritating to respiratory system.

**Ingestion:**
- 

**Chronic Effects:**
- 

#### 12. **ECOLOGICAL INFORMATION:**

Do not allow to enter drains, rivers or watercourses.

#### 13. **DISPOSAL INFORMATION:**

Dispose of in accordance with national and local regulations. Do NOT empty into drains.

#### 14. **TRANSPORT INFORMATION:**

<table>
<thead>
<tr>
<th>Label for Conveyance:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Comments:</td>
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</tr>
<tr>
<td><strong>ROAD:</strong></td>
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<tr>
<td>UN No:</td>
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<td><strong>RAIL:</strong></td>
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<td><strong>SEA:</strong></td>
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<tr>
<td>UN Sea No:</td>
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<td>IMDG Page No:</td>
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<tr>
<td>EmS No:</td>
<td>MFAG Table No:</td>
</tr>
<tr>
<td>--------</td>
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<tr>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Marine Pollutant:</th>
<th>AIR:</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
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<th>Air Transport Class No:</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Air Pack GR:</th>
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<tbody>
<tr>
<td></td>
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</tbody>
</table>

15. **REGULATORY INFORMATION:**

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**Label for Supply:**

**Ingredients to be declared:**

**Risk Phrases:**

**Safety Phrases:**

**EC Directives:**

**Statutory Instruments:** Chemicals (Hazard Information & Packaging) Regulations 1999.

**Approved Code of Practice:**

**Guidance Notes:**

16. **OTHER INFORMATION:**

*It would be helpful in the event of an accident if your employee carried this information at all times.*

**INFORMATION FOR MEDICAL STAFF ONLY – FOR BURNS CAUSED BY THERMOPLASTIC ROAD MARKING MATERIALS**

Thermoplastic road marking material – soluble in ether.

**Information Sources:**

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**EMERGENCY DAYTIME TELEPHONE NUMBER:** +44 (0) 1257 225100
SAFETY DATA SHEET

REFERENCE NUMBER:  
ISSUE: 1  
DATE: January 1996

1. PRODUCT IDENTIFICATION:
   Tack Coat - Black
   Prismo Traffic Products
   First Avenue
   Westfield Trading Estate
   Midsomer Norton
   Radstock
   BA3 4BS
   Tel: +44 (0) 1761 414824
   Fax: +44 (0) 1761 419472

2. COMPOSITION:
   Chemical Nature: Thermoplastic resins dissolved in Toluene

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>EEC Symbol</th>
<th>EEC NO</th>
<th>CAS No.</th>
<th>R Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>60%</td>
<td>F, Xn</td>
<td>601-021-00-3</td>
<td>108-88-3</td>
<td>R-11, R-20</td>
</tr>
</tbody>
</table>

3. HAZARD IDENTIFICATION:
   R-11: Highly Flammable
   R-20: Harmful by inhalation
   R-21: Harmful in contact with skin
   R-38: Irritating to the skin
   R-40/21: Harmful: possible risk of irreversible effects in contact with skin

4. FIRST AID MEASURES:
   Eye Contact: Rinse immediately with water for at least 15 and obtain medical advice.
   Skin Contact: Wash with plenty of soap and water. Do not use organic solvents. In case of irritation seek medical attention.
   Inhalation: Move affected person to fresh air. In case of irritation to the respiratory system or mucous membranes, or if you feel unwell or in case of prolonged exposure, get medical attention.
   Ingestion: Immediately rinse the mouth with water. DO NOT INDUCE VOMITING. If swallowing has occurred drink water in small sips. Obtain medical attention immediately.

5. FIRE FIGHTING MEASURES:
   Extinguisher Types Recommended: Water Mist; Carbon Dioxide; Foam; Dry Powder.
   Unsuitable Extinguishing Media: Do NOT use high-pressure water jet.
   Exposure Hazards: Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil according to local regulation.
   Protective Equipment: Use full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:
   Personal Precautions: Avoid contact with skin. Wear suitable protective clothing (including respiratory protection). Open enclosed spaces to atmosphere.
### Environmental Precautions:
Prevent contamination of soil, drains and surface waters.

### Methods for Cleaning:
Take up with absorbent, inert material and place in suitable and closable container for disposal.

### 7. HANDLING AND STORAGE:

#### Handling:
Keep away from sources of ignition – No Smoking. Wear suitable protective clothing. Use only in well ventilated areas. Do not eat drink or smoke at the workplace. Wear suitable protective clothing.

#### Storage:
Store in the original container securely closed in a cool dry place. Do not leave drums open. Earth storage containers during transfer.

### 8. EXPOSURE CONTROLS & PERSONEL PROTECTION:

<table>
<thead>
<tr>
<th>Exposure Control Limits</th>
<th>Toluene</th>
<th>50 ppm (TWA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Toluene</td>
<td>150 ppm (STEL)</td>
</tr>
</tbody>
</table>

#### Technical Protective Measures:
Local Exhaust Ventilation.

#### Respiratory Protection:
Chemical cartridge.

#### Eye Protection:
Wear suitable goggles or face protection.

#### Hand Protection:
Wear suitable gloves.

#### Environment Protection:
-  

#### Skin Protection:
Wear overalls and closed footwear. Apply skin protection cream before handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Appearance/Form:</th>
<th>Black Liquid.</th>
<th>Boiling Point/Range:</th>
<th>110°C - 111°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density:</td>
<td>0.92 g/cm</td>
<td>Auto Flammability:</td>
<td>Not Available.</td>
</tr>
<tr>
<td>Flashpoint:</td>
<td>4°C</td>
<td>Solubility in Water:</td>
<td>Insoluble.</td>
</tr>
<tr>
<td>Melting Point/Range:</td>
<td>Not Applicable.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY:

#### Thermal Decomposition:
> 200°C

#### Conditions to Avoid:
Do not leave containers open when not in use.

#### Materials to Avoid:
Oxidising agents.

#### Hazardous Decomposition Products:
Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours.
### Toxicological Information*

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD&lt;sub&gt;50&lt;/sub&gt; Oral Toxicity Rats</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Eye irritation tested in rabbits</td>
<td>Irritant</td>
</tr>
<tr>
<td>Skin irritation tested in rabbits</td>
<td>Irritant</td>
</tr>
<tr>
<td>Skin sensitisation tested in guinea pigs</td>
<td>Irritation, redness</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause redness, solvents de-fat skin, may cause irreversible effects due to bioavailability or polycyclic aromatic hydrocarbons.</td>
</tr>
</tbody>
</table>

* Product not actually tested – expected results.

### Ecological Information:

- Prevent contamination of soil, drains or surface water.
- **LC<sub>50</sub> Zebra Fish:** (96hr) Not available
- **LC<sub>50</sub> Rainbow Trout:** (96hr) Not available
- **EC<sub>50</sub> Daphnia Magna:** (24hr) Not available
- **Biodegradability (Sturm Test):** Not available
- **Algae Inhibition Test:** Not available
- **Sludge Toxicity:** Not available

### Disposal Information:

- Incineration or landfill in accordance with local regulations. Contaminated packaging materials should be disposed of identically to the product itself. Packaging materials that are not contaminated should be treated as household waste or as recycling material.

### Transport Information:

- **RID/ADR:** 3.2
- **UN:** 1263
- **IMDG Code:** 3
- **Packing Group:** II
- **IATA:** 3.2
- **Marine Pollutant:** NO
- **Flashpoint:** 4°C
- **Transport Card:** 30G80

Paint, Immiscible with water, flash point <23°C, initial boiling point > 35°C (Contains Toluene).

### Regulatory Information:

- EC labelling as required by CHIP*
  - **Symbols:** Xn – Harmful. F - Highly Flammable.
  - **R-11** Highly Flammable.
  - **R-20** Harmful by inhalation.
  - **R-40/21** Harmful: Possible risk of irreversible effects in contact with skin.
  - **S-16** Keep away from sources of ignition – NO SMOKING.
  - **S-24/25** Avoid contact with eyes.
  - **S-29** Do not empty into drains.
  - **S-9** Keep container in a well-ventilated place.
### OTHER INFORMATION:

**Product Use:** Various protective coatings and primers.

The provision of Safety Data sheets comes under Regulation 6 of CHIP*. This is addition to the Health and Safety at Work Act 1974 (HSWA).

Users of products supplied by Bitrez Ltd should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health (COSHH).

* CHIP is the recognised abbreviation for the Chemicals (Hazardous Information and Packaging Regulations 1993).

The above data is provided for your information and your attention is drawn to the appropriate package labelling. Users of the product must ensure its proper use in accordance with good industrial practice, proper medical advice and any official or Government notices or publications. This information is furnished gratuitously independent of any sale or the product and does not form part of any contract for sale, nor does it constitute any representation, warranty or condition of merchantability or fitness for a particular purpose.

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**EMERGENCY DAYTIME TELEPHONE NUMBER:** +44 (0) 1761 414824