# Safety Data Sheet

**January 2012**  
**Page 1 of 5**

1. Identification of the Substance/Mixture and of the Company/Undertaking

<table>
<thead>
<tr>
<th>1.1 Product Identifier</th>
</tr>
</thead>
</table>
| Material Name: Apiezon K Oil. 
| CAS No: 8012-95-1, 64741-56-6. |

<table>
<thead>
<tr>
<th>1.2 Relevant Identified uses of the substance or mixture and uses advised against</th>
</tr>
</thead>
</table>
| Product use: Vacuum sealing oil. 
| Uses advised against: None. |

<table>
<thead>
<tr>
<th>1.3 Details of the supplier of the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company: M&amp;I Materials Ltd., Hibernia Way, Trafford Park, Manchester, M32 0ZD, UK.</td>
</tr>
</tbody>
</table>
| Telephone: +44 (0)161 864 6409. 
| Emergency Telephone: +44 (0)161 864 6439. |
| Email: RussellMartin@mimaterials.com. |

2. Hazards Identification

<table>
<thead>
<tr>
<th>2.1 Classification of the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>67/548/EEC or 1999/45/EC: Not classified as dangerous under EC criteria.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2 Label elements</th>
</tr>
</thead>
</table>
| Regulation (EC) No 1272/2008 (CLP): No symbol or signal word. 

<table>
<thead>
<tr>
<th>2.3 Other hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traces of hydrogen sulphide may be liberated at high temperatures. Hydrogen sulphide may accumulate in confined spaces and is highly toxic if inhaled in sufficient concentrations. See 4.2 for further information. Contact with hot material can cause thermal burns.</td>
</tr>
</tbody>
</table>

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>3.2 Mixture</th>
</tr>
</thead>
</table>
| CAS No.: 8012-95-1. 
| CAS No.: 64741-56-6. |

4. First Aid Measures

<table>
<thead>
<tr>
<th>4.1 Description of first aid measures</th>
</tr>
</thead>
</table>
| Inhalation: If inhalation of mists, fumes or vapour causes irritation remove to fresh air. If casualty does not rapidly recover seek medical attention. 
| Skin: Wash with soap and water 
| Eyes: Irrigate with copious amounts of water 
| Ingestion: Do not induce vomiting, obtain medical attention. |

<table>
<thead>
<tr>
<th>4.2 Most important symptoms and effects, both acute and delayed</th>
</tr>
</thead>
<tbody>
<tr>
<td>If exposed to hydrogen sulphide fumes the effects will depend on the airborne concentration - 0.02ppm odour threshold, smell of rotten eggs; 10ppm eye and respiratory tract irritation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4.3 Indication of any immediate medical attention and special treatment needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>No special treatment needed.</td>
</tr>
</tbody>
</table>

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Any recommendation or suggestion relating to the use, storage, handling or properties of the products supplied by M&I Materials Ltd either in sales and technical literature or in response to a specific enquiry or otherwise is given in good faith, but it is for the customer to satisfy itself of the suitability of the product for its own particular purposes. © Registered Trade Mark.
5. Fire Fighting Measures

5.1 Extinguishing media
Carbon dioxide, dry powder, foam or water fog. Do not use water jets.

5.2 Special hazards arising from the substance or mixture
Combustion products include carbon monoxide.

5.3 Advice for fire fighters
Protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Spill product constitutes a slip hazard. Avoid contact with eyes.

6.2 Environmental precautions
Prevent entry into drains, sewers and watercourses.

6.3 Methods and material for containment and cleaning up
Can be wiped from surfaces and residues cleaned with water and detergent.

7. Handling and Storage

7.1 Precautions for safe handling
Avoid contact with hot material to prevent burns.

7.2 Conditions for safe storage, including any incompatibilities
No special precautions required.

7.3 Specific end use(s)
No special precautions required.

8. Exposure Controls/Personal Protection

8.1 Control parameters
At ambient temperature oil has very low volatility, so development of fumes is highly unlikely. At high temperatures hydrogen sulphide may be released.

 Workspace Exposure Limits:

<table>
<thead>
<tr>
<th>Substance</th>
<th>8hr TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulphide</td>
<td>7mg/m³ (5ppm)</td>
<td>14mg/m³ (10ppm)</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
Eye washes should be available for emergency use.
Respiratory protection: None required.
Skin protection: Wear coveralls.
Hand protection: Wash hands after use. For prolonged or repeated skin contact gloves are recommended.
Eye protection: None required.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
Appearance: Brown/black high viscosity liquid.
Odour: Pungent.
pH: Not applicable.
Freezing point: -1°C.
Initial boiling point and boiling range: >320°C.
### Flash point
- >300°C (open cup)

### Flammability (solid, gas)
- Data not available.

### Upper/lower flammability or explosive limits
- Data not available.

### Vapour pressure
- Approx 8 × 10⁻⁶ Torr at 20°C.

### Vapour density
- Not applicable.

### Relative density
- 0.94 at 20°C.

### Water solubility
- Insoluble.

### Solubility
- Not applicable.

### Partition coefficient
- n-octanol/Water: Data not available.

### Auto-Ignition temperature
- >400°C.

### Decomposition temperature
- Data not available.

### Viscosity
- 3330 cSt at 40°C.

### Explosive properties
- Data not available.

### Oxidising properties
- Data not available.

### 9.2 Other Information
- Not applicable.

### 10. Stability and Reactivity

#### 10.1 Reactivity
- Stable under normal conditions of use.

#### 10.2 Chemical stability
- Stable under normal conditions of use.

#### 10.3 Possibility of hazardous reactions
- Data not available.

#### 10.4 Conditions to avoid
- Temperatures >200°C.

#### 10.5 Incompatible materials
- Strong oxidising agents.

#### 10.6 Hazardous decomposition products
- Hydrogen sulphide.

### 11. Toxicalogical Information

#### 11.1 Information on toxicalogical effects
- **Likely routes of exposure:** Skin and eyes are the most likely routes for exposure. Inhalation of vapours at high temperatures is possible. Accidental ingestion may occur.
- **Acute oral toxicity:** Low toxicity; LD₅₀ >2000 mg/kg.
- **Acute dermal toxicity:** Expected to be of low toxicity; LD₅₀ >2000 mg/kg.
- **Acute inhalation toxicity:** Low toxicity by inhalation. Avoid vapours from heated materials which may cause irritation.
- **Skin corrosion/irritation:** Repeated and prolonged skin contact may cause dry skin or irritation.
- **Eye corrosion/irritation:** May cause transient irritation.
- **Respiratory or skin sensitisation:** Not expected to be a skin sensitizer.
- **Aspiration hazard:** Not considered an aspiration hazard.
12. Ecological Information

When used and/or disposed of as indicated no adverse environmental effects are foreseen. Ecotoxicological effects based on knowledge of similar substances.

12.1 Toxicity
Expected to be practically non-toxic.

12.2 Persistence and degradability
Not regarded as inherently biodegradable.

12.3 Bioaccumulative potential
Has the potential to bioaccumulate.

12.4 Mobility in soil
Product has low mobility in soil.

12.5 Results of PBT and vPvB assessment
The product does not meet criteria for toxicity which requires further assessment. It is not considered PBT or vPvB.

12.6 Other adverse effects
No other adverse effects envisaged.

13. Disposal Considerations

13.1 Waste treatment methods
Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation.

14. Transport Information

Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail (RID) regulations.

14.1 UN number
Not relevant.

14.2 UN proper shipping name
Not relevant.

14.3 Transport hazard class
Not relevant.

14.4 Packing group
Not relevant.

14.5 Environmental hazards
Not relevant.

14.6 Special precautions for user
Not relevant.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Product is not subject to Authorisation under REACH.
### 13.2. Chemical safety assessment
A chemical safety assessment has been performed for this substance.

### 16. Other Information
- Compiled according to regulation 1907/EC/2006.
- **16.1 Changes from last issue:** Complete revision to comply with REACH.

The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. It is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.