

## K OIL

### Safety Data Sheet

Issue Date: January 2008

<b>1. Substance/Company Identification</b>	Product Name: Apiezon K Oil. Product Type: Vacuum sealing oil. CAS No: 8012-95-1, 64741-56-6. Company Name: M&I Materials Ltd. Hibernia Way, Trafford Park, Manchester, M32 0ZD, UK. Telephone: +44 (0)161 864 5409 Fax: +44 (0)161 864 5444. Email: RussellMartin@mimaterials.com.																				
<b>2. Hazards Identification</b>	This product is not classified as hazardous.																				
<b>3. Composition/Ingredients</b>	Composition: Hydrocarbon oil. Hazardous Ingredients: None.																				
<b>4. First Aid Measures</b>	Eyes: Irrigate with copious quantities of water. Skin: Wash with soap and water. Inhalation: None envisaged. Ingestion: Do not induce vomiting. Obtain medical attention.																				
<b>5. Fire Fighting Measures</b>	Suitable extinguishing media: Carbon dioxide, dry powder, foam or water fog. Do not use water jets. Special exposure hazards: None. Special protective equipment: None.																				
<b>6. Accidental Release Measures</b>	Personal precautions: Spilt product constitutes a slip hazard. Avoid contact with eyes. Environmental precautions: Prevent entry into drains, sewers and watercourses. Decontamination procedures: Soak up with absorbent granules. See para. 13 re disposal.																				
<b>7. Handling and Storage</b>	Handling: No special precautions required. Storage: No special precautions required.																				
<b>8. Exposure Controls/ Personal Protection</b>	<table border="1"> <thead> <tr> <th>Substance</th> <th>8hr TWA</th> <th>STEL</th> <th>Source</th> </tr> </thead> <tbody> <tr> <td>Mineral oil (mist)</td> <td>5mg/m<sup>3</sup></td> <td>10mg/m<sup>3</sup></td> <td>EH40</td> </tr> <tr> <td>Respiratory protection:</td> <td colspan="2"></td> <td>None required.</td> </tr> <tr> <td>Hand / skin protection:</td> <td colspan="3">Wash hands after use. For prolonged or repeated skin contact gloves are recommended.</td> </tr> <tr> <td>Eye protection:</td> <td colspan="2"></td> <td>None required.</td> </tr> </tbody> </table>	Substance	8hr TWA	STEL	Source	Mineral oil (mist)	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>	EH40	Respiratory protection:			None required.	Hand / skin protection:	Wash hands after use. For prolonged or repeated skin contact gloves are recommended.			Eye protection:			None required.
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Continued

<b>9. Physical &amp; Chemical Properties</b>	Physical state:	High viscosity liquid.	Boiling point @ 1 Torr:	300°C.	
	Colour:	Brown black.	Flash point (open):	>350°C.	
	Odour:	Pungent.	Fire point:	>370°C.	
	Water solubility:	Insoluble.	Autoignition point:	Not determined.	
	Relative density @ 20°C:	0.94.	Explosive limits:	Not determined.	
	<b>10. Stability &amp; Reactivity</b>				
Stability:		Will not polymerise.			
Conditions to avoid:		Temperatures >200°C.			
Materials to avoid:		Strong oxidising agents.			
Hazardous decomposition products:		Trace amounts of polycyclic hydrocarbons and nitrogen dioxide.			
<b>11. Toxicological Information</b>	Oral LD50 (rat) >2 g/kg.		Dermal LD50 (Rabbit) >2 g/kg.		
	Acute Health Effects:				
	Eyes:		May cause transient irritation.		
	Inhalation:		Low volatility makes inhalation unlikely.		
	Ingestion:		May cause nausea, vomiting and diarrhoea.		
	Chronic Health Effects:				
Skin:		Repeated and prolonged skin contact may cause skin disorders.			
<b>12. Ecological Information</b>	Environmental:	When used and/or disposed of as indicated no adverse environmental effects are foreseen.			
	Mobility:	Low volatility/ Low solubility in water.			
	Degradability:	Base oil slowly biodegradable in aerobic conditions.			
<b>13. Disposal Considerations</b>	Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation.				
<b>14. Transport Classification</b>	Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail (RID) regulations.				
<b>15. Regulatory Information</b>	Not classified as dangerous under EC criteria. All chemical substances in this material are included on the TSCA Inventory of Chemical Substances.				
<b>16. Other Information</b>	Compiled according to the EU Directives 2001/58/EC and 1907/2006/EC. Changes from last issue: Section 1 email address and Section 16 legislation.				

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.