

# AP100 GREASE

## Safety Data Sheet

Issue Date: January 2010

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<b>1. Substance/Company Identification</b>	<table border="0"> <tr> <td>Product Name:</td> <td>Apiezon AP100 Grease.</td> </tr> <tr> <td>Product Type:</td> <td>Ultra high vacuum, lubricating grease.</td> </tr> <tr> <td>CAS No:</td> <td>8012-95-1, 9002-84-0.</td> </tr> <tr> <td>Company Name:</td> <td>M&amp;I Materials Ltd.</td> </tr> <tr> <td></td> <td>Hibernia Way, Trafford Park, Manchester, M32 0ZD, UK.</td> </tr> <tr> <td>Telephone: +44 (0)161 864 5409</td> <td>Fax: +44 (0)161 864 5444.</td> </tr> <tr> <td>Emergency Telephone:</td> <td>+44 (0)161 864 5439.</td> </tr> <tr> <td>Email:</td> <td>RussellMartin@mimaterials.com.</td> </tr> </table>	Product Name:	Apiezon AP100 Grease.	Product Type:	Ultra high vacuum, lubricating grease.	CAS No:	8012-95-1, 9002-84-0.	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.	Emergency Telephone:	+44 (0)161 864 5439.	Email:	RussellMartin@mimaterials.com.
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<b>2. Hazards Identification</b>	This product is not classified as hazardous.																
<b>3. Composition/Ingredients</b>	<table border="0"> <tr> <td>Composition:</td> <td>Hydrocarbon grease.</td> </tr> <tr> <td>Hazardous Ingredients:</td> <td>None.</td> </tr> </table>	Composition:	Hydrocarbon grease.	Hazardous Ingredients:	None.												
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<b>4. First Aid Measures</b>	<table border="0"> <tr> <td>Eyes:</td> <td>Irrigate with copious quantities of water.</td> </tr> <tr> <td>Skin:</td> <td>Wash with soap and water.</td> </tr> <tr> <td>Inhalation:</td> <td>None envisaged.</td> </tr> <tr> <td>Ingestion:</td> <td>Do not induce vomiting. Obtain medical attention.</td> </tr> </table>	Eyes:	Irrigate with copious quantities of water.	Skin:	Wash with soap and water.	Inhalation:	None envisaged.	Ingestion:	Do not induce vomiting. Obtain medical attention.								
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<b>5. Fire Fighting Measures</b>	<table border="0"> <tr> <td>Suitable extinguishing media:</td> <td>Carbon dioxide, dry powder, foam or water fog. Do not use water jets.</td> </tr> <tr> <td>Exposure hazards:</td> <td>None.</td> </tr> <tr> <td>Protective equipment:</td> <td>None.</td> </tr> </table>	Suitable extinguishing media:	Carbon dioxide, dry powder, foam or water fog. Do not use water jets.	Exposure hazards:	None.	Protective equipment:	None.										
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<b>6. Accidental Release Measures</b>	<table border="0"> <tr> <td>Personal precautions:</td> <td>Spilt product constitutes a slip hazard. Avoid contact with eyes.</td> </tr> <tr> <td>Environmental precautions:</td> <td>None.</td> </tr> <tr> <td>Cleaning procedures:</td> <td>Place in containers. See para.13 re disposal.</td> </tr> </table>	Personal precautions:	Spilt product constitutes a slip hazard. Avoid contact with eyes.	Environmental precautions:	None.	Cleaning procedures:	Place in containers. See para.13 re disposal.										
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<b>7. Handling and Storage</b>	<table border="0"> <tr> <td>Handling:</td> <td>No special precautions required.</td> </tr> <tr> <td>Storage:</td> <td>No special precautions required.</td> </tr> </table>	Handling:	No special precautions required.	Storage:	No special precautions required.												
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<b>8. Exposure Controls/ Personal Protection</b>	<table border="0"> <tr> <td>Respiratory protection:</td> <td>None required.</td> </tr> <tr> <td>Hand protection:</td> <td>Wash hands after use. For prolonged or repeated skin contact gloves are recommended.</td> </tr> <tr> <td>Eye protection:</td> <td>None required.</td> </tr> </table>	Respiratory protection:	None required.	Hand protection:	Wash hands after use. For prolonged or repeated skin contact gloves are recommended.	Eye protection:	None required.										
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<b>9. Physical &amp; Chemical Properties</b>	Physical state:	Semi solid.	Colour:	Yellow.
	Odour:	Faint oily.	Melting point:	42°C to 52°C.
	Flash point:	>200°C.	Autoignition point:	>250°C.
	Explosive limits:	Not determined.	Relative density @ 20°C:	1.042.
	Water solubility:	Insoluble.		
<b>10. Stability &amp; Reactivity</b>	Stability:	Will not polymerise.		
	Conditions to avoid:	Temperatures >120°C.		
	Materials to avoid:	Strong oxidising agents.		
	Hazardous decomposition products:	May liberate toxic gases at >300°C.		
<b>11. Toxicological Information</b>	Oral LD50 (rat) >2 g/kg.	Dermal LD50 (Rabbit) >2 g/kg.		
	Eyes:	May cause transient irritation.		
	Inhalation:	Low volatility makes inhalation unlikely.		
	Ingestion:	May cause nausea, vomiting and diarrhoea.		
	Skin:	Repeated and prolonged skin contact may cause skin disorders.		
<b>12. Ecological Information</b>	Ecotoxicity:	When used and/or disposed of as indicated no adverse environmental effects are foreseen.		
	Mobility:	Non-volatile/ Insoluble in water.		
	Persistence and degradability:	Limited biodegradability in aerobic conditions. PTFE biologically inert.		
<b>13. Disposal Considerations</b>	Product and packaging must be disposed of in accordance with local and national regulations. Must not be incinerated due to liberation of toxic gases at >300°C. 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 Directive 1907/2006/EC.			
	Changes from last issue:	Section 1 Emergency telephone number.		

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.