

N GREASE

Safety Data Sheet

Issue Date: January 2008

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|--|---|-------------------------------|---|----------------------------|--|-----------------------------|---|---------------|---|--|---|--------------------------------|---------------------------|--------|--------------------------------|
| 1. Substance/Company Identification | <table> <tr> <td>Product Name:</td> <td>Apiezon N Grease.</td> </tr> <tr> <td>Product Type:</td> <td>Cryogenic high vacuum grease.</td> </tr> <tr> <td>CAS No:</td> <td>8012-95-1.</td> </tr> <tr> <td>Company Name:</td> <td>M&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>Email:</td> <td>RussellMartin@mimaterials.com.</td> </tr> </table> | Product Name: | Apiezon N Grease. | Product Type: | Cryogenic high vacuum grease. | CAS No: | 8012-95-1. | 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. |
| Product Name: | Apiezon N Grease. | | | | | | | | | | | | | | |
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| Email: | RussellMartin@mimaterials.com. | | | | | | | | | | | | | | |
| 2. Hazards Identification | <p>This product is not classified as hazardous.</p> | | | | | | | | | | | | | | |
| 3. Composition/Ingredients | <table> <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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| Hazardous Ingredients: | None. | | | | | | | | | | | | | | |
| 4. First Aid Measures | <table> <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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| Skin: | Wash with soap and water. | | | | | | | | | | | | | | |
| Inhalation: | None envisaged. | | | | | | | | | | | | | | |
| Ingestion: | Do not induce vomiting. Obtain medical attention. | | | | | | | | | | | | | | |
| 5. Fire Fighting Measures | <table> <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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| Exposure hazards: | None. | | | | | | | | | | | | | | |
| Protective equipment: | None. | | | | | | | | | | | | | | |
| 6. Accidental Release Measures | <table> <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>Decontamination 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. | Decontamination procedures: | Place in containers. See para.13 re disposal. | | | | | | | | |
| Personal precautions: | Spilt product constitutes a slip hazard. Avoid contact with eyes. | | | | | | | | | | | | | | |
| Environmental precautions: | None. | | | | | | | | | | | | | | |
| Decontamination procedures: | Place in containers. See para.13 re disposal. | | | | | | | | | | | | | | |
| 7. Handling and Storage | <table> <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. | | | | | | | | | | |
| Handling: | No special precautions required. | | | | | | | | | | | | | | |
| Storage: | No special precautions required. | | | | | | | | | | | | | | |
| 8. Exposure Controls/ Personal Protection | <table> <tr> <td>Respiratory protection:</td> <td>None required.</td> </tr> <tr> <td>Hand / skin 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 / skin protection: | Wash hands after use. For prolonged or repeated skin contact gloves are recommended. | Eye protection: | None required. | | | | | | | | |
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Safety Data Sheet
Continued

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|--|--|--------------------------|--|-----------------------|-----------------------------------|---------------------|---|-----------------------------------|---|--------------|---|-------------------------|---------|-------------------|---|--------------------------|--------|-------------------|------------|--|--|
| 9. Physical & Chemical Properties | <table border="0"> <tr> <td>Physical state:</td> <td>Semi solid.</td> <td>Colour:</td> <td>Yellow brown.</td> </tr> <tr> <td>Odour:</td> <td>None.</td> <td>Melting point:</td> <td>42°C to 52°C.</td> </tr> <tr> <td>Flash point:</td> <td>>200°C.</td> <td>Autoignition point:</td> <td>>250°C.</td> </tr> <tr> <td>Explosive limits:</td> <td>Not determined.</td> <td>Relative density @ 20°C:</td> <td>0.911.</td> </tr> <tr> <td>Water solubility:</td> <td>Insoluble.</td> <td></td> <td></td> </tr> </table> | Physical state: | Semi solid. | Colour: | Yellow brown. | Odour: | None. | Melting point: | 42°C to 52°C. | Flash point: | >200°C. | Autoignition point: | >250°C. | Explosive limits: | Not determined. | Relative density @ 20°C: | 0.911. | Water solubility: | Insoluble. | | |
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| Odour: | None. | Melting point: | 42°C to 52°C. | | | | | | | | | | | | | | | | | | |
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| Water solubility: | Insoluble. | | | | | | | | | | | | | | | | | | | | |
| 10. Stability & Reactivity | <table border="0"> <tr> <td>Stability:</td> <td>Will not polymerise.</td> </tr> <tr> <td>Conditions to avoid:</td> <td>Temperatures >120°C.</td> </tr> <tr> <td>Materials to avoid:</td> <td>Strong oxidising agents.</td> </tr> <tr> <td>Hazardous decomposition products:</td> <td>None known.</td> </tr> </table> | Stability: | Will not polymerise. | Conditions to avoid: | Temperatures >120°C. | Materials to avoid: | Strong oxidising agents. | Hazardous decomposition products: | None known. | | | | | | | | | | | | |
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| Materials to avoid: | Strong oxidising agents. | | | | | | | | | | | | | | | | | | | | |
| Hazardous decomposition products: | None known. | | | | | | | | | | | | | | | | | | | | |
| 11. Toxicological Information | <table border="0"> <tr> <td>Oral LD50 (rat) >2 g/kg.</td> <td>Dermal LD50 (Rabbit) >2 g/kg.</td> </tr> <tr> <td>Acute Health Effects:</td> <td></td> </tr> <tr> <td>Eyes:</td> <td>May cause transient irritation.</td> </tr> <tr> <td>Inhalation:</td> <td>Low volatility makes inhalation unlikely.</td> </tr> <tr> <td>Ingestion:</td> <td>May cause nausea, vomiting and diarrhoea.</td> </tr> <tr> <td>Chronic Health Effects:</td> <td></td> </tr> <tr> <td>Skin:</td> <td>Repeated and prolonged skin contact may cause skin disorders.</td> </tr> </table> | 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. | | | | | | |
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| Ingestion: | May cause nausea, vomiting and diarrhoea. | | | | | | | | | | | | | | | | | | | | |
| Chronic Health Effects: | | | | | | | | | | | | | | | | | | | | | |
| Skin: | Repeated and prolonged skin contact may cause skin disorders. | | | | | | | | | | | | | | | | | | | | |
| 12. Ecological Information | <table border="0"> <tr> <td>Environmental:</td> <td>When used and/or disposed of as indicated no adverse environmental effects are foreseen.</td> </tr> <tr> <td>Mobility:</td> <td>Non-volatile/ Insoluble in water.</td> </tr> <tr> <td>Degradability:</td> <td>Slowly biodegradable in aerobic conditions.</td> </tr> </table> | Environmental: | When used and/or disposed of as indicated no adverse environmental effects are foreseen. | Mobility: | Non-volatile/ Insoluble in water. | Degradability: | Slowly biodegradable in aerobic conditions. | | | | | | | | | | | | | | |
| Environmental: | When used and/or disposed of as indicated no adverse environmental effects are foreseen. | | | | | | | | | | | | | | | | | | | | |
| Mobility: | Non-volatile/ Insoluble in water. | | | | | | | | | | | | | | | | | | | | |
| Degradability: | Slowly biodegradable in aerobic conditions. | | | | | | | | | | | | | | | | | | | | |
| 13. Disposal Considerations | <p>Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation.</p> | | | | | | | | | | | | | | | | | | | | |
| 14. Transport Classification | <p>Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail (RID) regulations.</p> | | | | | | | | | | | | | | | | | | | | |
| 15. Regulatory Information | <p>Not classified as dangerous under EC criteria. All chemical substances in this material are included on the TSCA Inventory of Chemical Substances.</p> | | | | | | | | | | | | | | | | | | | | |
| 16. Other Information | <p>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.</p> | | | | | | | | | | | | | | | | | | | | |

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.