

# MIDEL® eN

Technical Datasheet No 3

## Materials Safety Data Sheet

Issue Date: September 2008

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<b>1. Substance/Company Identification</b>	<table> <tr> <td>Product Name:</td><td>MIDEL® eN.</td></tr> <tr> <td>Product Type:</td><td>Dielectric fluid</td></tr> <tr> <td>CAS No:</td><td>68956-68-3.</td></tr> <tr> <td>EINECS No:</td><td>273-313-5.</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:</td><td>+44 (0)161 864 5411</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:	MIDEL® eN.	Product Type:	Dielectric fluid	CAS No:	68956-68-3.	EINECS No:	273-313-5.	Company Name:	M&I Materials Ltd.		Hibernia Way, Trafford Park, Manchester, M32 0ZD, UK.	Telephone:	+44 (0)161 864 5411	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> <tr> <td>Composition:</td><td>Blend of natural triglyceride esters.</td></tr> <tr> <td>Hazardous Ingredients:</td><td>None.</td></tr> </table>	Composition:	Blend of natural triglyceride esters.	Hazardous Ingredients:	None.														
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<b>4. First Aid Measures</b>	<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> <tr> <td></td><td>In all cases if persistent irritation occurs seek 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.		In all cases if persistent irritation occurs seek medical attention.								
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<b>5. Fire Fighting Measures</b>	<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>Combustion will give rise to particles and gases similar to burning wood.</td></tr> <tr> <td>Protective equipment:</td><td>Self-contained breathing apparatus may be required.</td></tr> </table>	Suitable extinguishing media:	Carbon dioxide, dry powder, foam or water fog. Do not use water jets.	Exposure hazards:	Combustion will give rise to particles and gases similar to burning wood.	Protective equipment:	Self-contained breathing apparatus may be required.												
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<b>6. Accidental Release Measures</b>	<table> <tr> <td>Personal precautions:</td><td>Spilt product can constitute a slip hazard.</td></tr> <tr> <td>Environmental precautions:</td><td>In the event of a large spillage, clean as thoroughly as possible and contact local authority. Avoid flushing into drains where possible.</td></tr> <tr> <td>Cleaning procedures:</td><td>Use an inert absorbent material (e.g. sand, earth, etc.) and place in labelled containers. See para.13 re disposal.</td></tr> </table>	Personal precautions:	Spilt product can constitute a slip hazard.	Environmental precautions:	In the event of a large spillage, clean as thoroughly as possible and contact local authority. Avoid flushing into drains where possible.	Cleaning procedures:	Use an inert absorbent material (e.g. sand, earth, etc.) and place in labelled containers. See para.13 re disposal.												
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<b>7. Handling and Storage</b>	<table> <tr> <td>Handling:</td><td>Avoid eye and prolonged skin contact.</td></tr> <tr> <td>Storage:</td><td>Store in a cool dry place.</td></tr> <tr> <td>Specific use:</td><td>Exposure to air should be minimised. Opened containers should be properly resealed.</td></tr> </table>	Handling:	Avoid eye and prolonged skin contact.	Storage:	Store in a cool dry place.	Specific use:	Exposure to air should be minimised. Opened containers should be properly resealed.												
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<b>8. Exposure Controls/ Personal Protection</b>	Respiratory protection: Not required for normal use. Hand protection: Wash hands after use. For prolonged or repeated skin contact gloves are recommended. Eye protection: If splashes are likely to occur wear safety glasses. Skin protection: Wear coveralls.
<b>9. Physical &amp; Chemical Properties</b>	Physical state: Liquid. Colour: Pale yellow. Odour: None. Water solubility: Insoluble. Flash point: 327°C. Explosive limits: Not determined. Fire point: 356°C. Relative density @ 20°C: 0.92. Autoignition point: Not determined. Viscosity @ 20 °C: 85 mm <sup>2</sup> /s.
<b>10. Stability &amp; Reactivity</b>	Stability: Polymerisation unlikely. Conditions to avoid: Temperatures >250°C. Materials to avoid: Strong oxidising agents. Hazardous decomposition products: None known.
<b>11. Toxicological Information</b>	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: Substances of this type do not pose a hazard to aquatic organisms. When used and/or disposed of as indicated no adverse environmental effects are foreseen. Mobility: Non-volatile/ Insoluble in water. Persistence and degradability: Readily biodegradable. Bioaccumulation potential: No potential for bioaccumulation.
<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. European Waste Code: 13 03 09.
<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 in EINECS and on the TSCA Inventory of Chemical Substances.

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### 16. Other Information

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.
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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.