

**Material Safety Data Sheet**

<b>Product</b>	<b>Warmcel Range</b>
<b>Issue</b>	<b>01/12.01 according to regulation (EC) No. 1907/2006 (REACH)</b>

**1. Company and Product Identification**

Product Name	Excel Fibre Technology – Engineered Cellulose Fibre
Product Codes	Warmcel 100, Warmcel, Warmcel 500, Cellisol 300, Cellisol 500, Ouatex, Zellofix
Supplier	Excel Industries Limited, Maerdy Industrial Estate (South) Rhymney, Gwent NP22 5PY
Telephone No.	+44 (0)1685 845200
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E-mail	info@excelfibre.com

**2. Composition Information**

Article	
Chemical Nature	Wood based cellulose fibre which is treated with inorganic flame retardants
Dangerous Components	Nil
Contributing Impurities	Nil

**3. Identification of the Dangers**

Harmful effects on health	Non-toxic and non-irritant
Fire or Explosion	Organic fibre which will smoulder or flame if in contact with heat sources

**4. First Aid**

inhalation	Although there is no specific risk, it is recommended that a disposable face mask must be worn when using the product in a confined space
Skin Contact	The product is non-irritant. Gloves and other forms of protective clothing are not required
Eye Contact	No specific safety equipment is required. If eye contact occurs, irrigate with water
Ingestion	The product is of low acute oral toxicity. Whilst it should not be ingested, no harmful effects will occur with quantities up to 5 litres

**5. Fire Fighting**

Means of Extinguishing	Thoroughly drench with water until the product is saturated
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**6. Measures in case of accidental dispersal**

Individual Precautions (elementary)	Sweep up and dispose of according to local regulations
Environmental Precautions	Organic material will decompose on weathering
Recuperation	Lightweight - easily vacuumed up when dry
Cleaning/Decontamination	Brush or vacuum
Elimination	According to regulations in force

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<b>7. Handling and Stocking</b>	
<b>1. Handling - Precautions to be taken</b>	No Smoking when handling. Keep away from all sources of heat.
<b>2. Stocking - Stocking Conditions</b>	Stock in a dry place away from heat or ignition sources
<b>Packing Conditions</b>	Compressed
<b>Packing Materials</b>	Polythene bags which will melt at temperatures above 90°C
<b>8. Exposure Control / Individual Protection</b>	
<b>Technical Measures</b>	
<b>Exposure Limit Values</b>	"Occupational Exposure Limits EH4099" gives a short term limit for cellulose of 10mg per m <sup>3</sup> and a long term limit of 4mg per m <sup>3</sup> (respirable) dust, measured as an 8 hour time-weighted average. The limits are those applied to 'nuisance dust'.
<b>Respiratory Protection</b>	Although there is no specific risk, it is recommended that a disposable facemask be worn when using the product in a confined space.
<b>Hand Protection</b>	Nil
<b>Eye Protection</b>	Nil
<b>9. Physical and Chemical Properties</b>	
<b>1. Aspect</b>	
<b>Physical State</b>	Solid
<b>Form</b>	Fibre
<b>Average Particle size</b>	0.01mm - 3.0mm
<b>Colour</b>	Grey or Off-White
<b>pH</b>	6.5 - 7.5
<b>2. Characteristic Temperatures</b>	
<b>Melting</b>	n/a
<b>Decomposition</b>	Charring commences at 234°C
<b>3. Inflammability</b>	
<b>Flash Point</b>	n/a
<b>4. Combustibility</b>	The product smoulders if a heat source above 450°C is applied
<b>5. Solubility</b>	
<b>In Water</b>	
<b>In Organic Solvents</b>	Insoluble
<b>10. Stability and Reactivity</b>	
<b>Stability</b>	Stable at ambient temperature in normal conditions of use
<b>Dangerous Reactions</b>	None
<b>Conditions to be avoided</b>	Wet and heat sources
<b>Materials to be avoided</b>	Water
<b>Dangerous Decomposition Products</b>	None

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<b>11. Toxicological Information</b>	
<b>Local Effects</b>	
Eye Contact	Irrigate with water
Other Data	n/a
<b>12. Ecological Information</b>	
Target Compartment	Vegetable Matter. Biological degradable without harmful residues.
<b>Points Relative to Elimination</b>	
<b>1. Product Residue</b>	
Destruction/Elimination	Organic material. Keep away from heat sources.
<b>2. Soiled Packaging</b>	
Decontamination/Cleaning	Wash in water
Destruction/Elimination	Incineration or recycling
<b>13. Information on Disposal</b>	
Dispose of in accordance with prevailing regulations. It is not a dangerous waste. The product is packed in low density polyethylene, which can be compacted and sold for recycling. Wooden pallets can also be re-used.	
<b>14. Transport Information</b>	
<b>International Regulations</b>	
By Land	Keep away from heat sources
By Sea	Keep away from heat sources
By Air	Keep away from heat sources
Labelling	
EU Regulations	None
<b>Other Information</b>	
End uses	For rheological control of liquid systems in products serving a spread of industries, including construction and automotive.
Notice to users	For further information, please contact the manufacturers. Contact details can be found on the foot of this page.
<b>15. Regulatory</b>	
No registration obligation	
<b>16. Other Information</b>	
01/12.01 according to regulation (EC) No. 1907/2006 (REACH)	

**Excel Industries Limited**

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