

# Product Handling Information Sheet

## MF GC 201 (Hgw 2272)

### 1. Company

|              |                                                                                                                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name/Address | <b>Liedtke Kunststofftechnik</b><br>Siemensstr. 32a, 42551 Velbert/Germany (DE)<br>Phone +49 2051 605 105<br>info@liedtke-kunststofftechnik.de • www.liedtke-kunststofftechnik.de |
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### 2. Product Description

|                                   |                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------|
| Product/Article                   | Technical semi-finished product (sheet / rod / moulded part)                               |
| Standard designation              | MF GC 201 (EN 60893) / Hgw 2272 (DIN 7735)                                                 |
| Characterisation                  | Thermoset laminate (glass-fabric laminate, melamine resin)                                 |
| Main constituents                 | <ul style="list-style-type: none"> <li>• Melamine resin</li> <li>• Glass fabric</li> </ul> |
| Constituents subject to labelling | none                                                                                       |
| Classification under REACH        | Article                                                                                    |
| Notes                             | Not declared as a food-contact material (glass-fabric-reinforced grade).                   |

### 3. Product Properties

|                                    |                                                                                                             |
|------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Form/State                         | <ul style="list-style-type: none"> <li>• solid (thermoset)</li> </ul>                                       |
| Colour                             | white                                                                                                       |
| Odour                              | <ul style="list-style-type: none"> <li>• nearly odourless</li> </ul>                                        |
| Density                            | 1.8-2.0 g/cm <sup>3</sup>                                                                                   |
| Glass transition temperature       | – (thermoset, no melting point)                                                                             |
| Limit temperature (continuous use) | 130 °C                                                                                                      |
| Thermal decomposition              | chars/decomposes at high temperature (does not melt); ignition temperature approx. 480-500 °C               |
| Flammability                       | flame retardant, self-extinguishing (UL 94 V-0)                                                             |
| Notes                              | Very high tracking resistance (CTI 600); designed for tracking-critical electrical insulation applications. |

## 4. Hazard Information

|                                               |                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special hazards to humans and the environment | none (in cured state)                                                                                                                                                                                       |
| Notes                                         | Resin/glass fibre dust generated during machining should not be inhaled (mechanical skin irritation from glass fibres possible); small amounts of formaldehyde may be released during heating or machining. |

## 5. Handling and Storage

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Handling               | <ul style="list-style-type: none"> <li>• The product can be machined with standard commercial machinery (sawing, milling, turning, drilling).</li> <li>• Prior to machining, the product should be at room temperature, or stored for at least 24 h in standard climate beforehand.</li> <li>• Ensure adequate dust extraction during machining (resin/glass fibre dust); use sharp, carbide-tipped or diamond-coated tools.</li> <li>• As a thermoset, cannot be reshaped or welded.</li> </ul> |
| Storage recommendation | <ul style="list-style-type: none"> <li>• horizontal</li> <li>• dry</li> <li>• protected from moisture</li> <li>• protected from direct UV/sunlight</li> </ul>                                                                                                                                                                                                                                                                                                                                    |
| Protective measures    | Respiratory protection / extraction if dust is generated; avoid skin contact with machining dust                                                                                                                                                                                                                                                                                                                                                                                                 |
| Shelf life             | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Notes                  | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## 6. Transport

|           |                                                                                                                    |
|-----------|--------------------------------------------------------------------------------------------------------------------|
| Transport | <ul style="list-style-type: none"> <li>• Not classified as dangerous goods under transport regulations.</li> </ul> |
| Packaging | –                                                                                                                  |
| Notes     | –                                                                                                                  |

## 7. Fire-Fighting Measures

|                               |                                                                                                                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media  | <ul style="list-style-type: none"> <li>• Water</li> <li>• Foam</li> <li>• Dry extinguishing agent</li> <li>• CO<sub>2</sub></li> </ul>                                                                                          |
| Possible combustion products  | <ul style="list-style-type: none"> <li>• Carbon monoxide</li> <li>• Carbon dioxide</li> <li>• Nitrogen oxides</li> <li>• Formaldehyde (traces)</li> <li>• Silicon oxides (from glass-fibre content)</li> <li>• Smoke</li> </ul> |
| Required protective equipment | <ul style="list-style-type: none"> <li>• Firefighters and others exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.</li> </ul>                                         |
| Notes                         | Collect fire residues and dispose of in accordance with local regulations.                                                                                                                                                      |

## 8. Disposal Information

|                    |                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------|
| Recyclability      | Thermoset (glass-fabric reinforced); material recycling only possible to a limited extent, consider thermal recycling.     |
| EU waste catalogue | The product is not classified as hazardous under the European Waste Catalogue (EAK).                                       |
| Disposal           | The material may be sent to a suitable incineration plant in accordance with local regulations.                            |
| Waste code no.     | <ul style="list-style-type: none"> <li>• 07 02 13 - plastic waste</li> <li>• 17 02 03 - plastics (construction)</li> </ul> |
| Notes              | –                                                                                                                          |

## 9. Labelling, Directives and Regulations

|                                |                          |
|--------------------------------|--------------------------|
| Labelling under EEC directives | not subject to labelling |
| Notes                          | –                        |

## 10. REACH Information

|             |                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Information | Under EC Directive 1907/2006/EC (REACH), Article 3, No. 3, our products are articles that are not subject to registration. The European Chemicals Regulation (EC) No. 1907/2006 (REACH), which entered into force on 1 June 2007, requires safety data sheets (SDS) only for hazardous substances and preparations. Our products are articles under REACH, so no SDS requirement applies. |
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## 11. Other Information

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| Other information | The above information is based on our current state of knowledge and does not constitute a guarantee of properties. Applicable laws and regulations must be observed by the recipient of our product on their own responsibility. |
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