# Product Handling Information Sheet

## Lignostone® M X-2-E3-HQ

### 1. Company

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| Name/Address | **Röchling Industrial SE & Co. KG**<br>Röchlingstr. 1 • 49733 Haren (Ems)/DE • Tel. +49 5934 701-0<br>info@roechling-plastics.com • www.roechling.com/industrial/haren |

### 2. Product details

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| Product/Article | Technical semi-finished product or machined part |
| Abbreviated terms | Laminated Densified Wood |
| Material Characterisation | Wooden veneer with phenolic resin in hardened condition |
| Main Components | • wooden veneer<br>• phenolic resin |
| Components Subject to labelling | none |
| Classification according to REACh | Article |
| Notes | – |

### 3. Product characteristics

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| Form/State | • firm |
| Color | – |
| Odour | • typical material smell |
| Density | – |
| Melting range | – |
| Glass transition temperature | – |
| Thermal decomposition | - |
| Flash point | None, with intended use |

## 3. Product characteristics

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| Ignition temperature | – |
| Notes | – |

## 4. Danger warnings

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| Special Risks For Mankind And The Environment | Note the TRGS 553 wooden dust. |
| Notes | Category III A1: However, with the footnote “dust epidemiologically” unequivocally carcinogenic: The causative, cancer-producing principle currently not yet identified. After sensitisation, wood dust may cause allergic phenomena, for example, of the skin or respiratory passages. Publication (Holzzentralblatt KW29/00): A carcinogenic effect refers to chemically treated wood with additives of chromates, lindane and PCP. These substances are not used in the production of Lignostone. |

## 5. Handling and Storage

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| Handling | • Product can be worked with conventional machines and tools. |
| Storage | • horizontally<br>• dry<br>• protected against frost<br>• protected against climatic influences<br>• humidity level in the shop floor and warehouse should be maintained below 65% to improve shelf life of materials |
| Safety measures | • Provide effective dust extraction when processing and machining.<br>• Carry protective mask and protective goggles at dusty condition.<br>• Should dust extraction systems not be available |
| Shelf Life | Lignostone materials have a long shelf life if not directly in contact with water and liquids. The materials, if stocked properly, have a long shelf life, however, for the sake of control, 36 months to 48 months could be set as the limit. Moisture absorption from the atmosphere happens from the edges of the material. The absorbed moisture is normally within the specifications of IEC 61061. Moisture evacuates easily during vapor phase. During visual inspection, if only the edges of a sheet are swollen above 10% in thickness, the sheet should not be used in full format. Not to be confused with: For thick sheets above 70mm, and all sheets large format sheets above 2m in width, thickness tolerance of the sheet is high and may be as high as 15%. This within specified tolerance expansion is a natural property of the material and not due to moisture absorption. |

## 5. Handling and Storage

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| Notes | The product is more or less hygroscopic depending on the compaction level. Work stations and machines must be regularly cleaned of dust deposits and shavings by being absorbed. Blowing them clear with compressed air is not admissible on principle. |

## 6. Transport

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| Transport | • Non dangerous goods according to the transport regulations.<br>• Secure against slipping. |
| Finished Product Packing | Machined parts are tailor made as per customers' designs. It is normal to receive packing instructions from the customers and these shall be followed In the case of semi-finished sheets, it is advisable to always transfer materials in a palletized form, and protective covering that prevents water and dust entry into the materials. |
| Notes | – |

## 7. Fire – fighting measures

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| Suitable extinguishing agents | • water<br>• foam<br>• $CO_2$ |
| Potential combustion products | • CO<br>• $CO_2$<br>• other toxic gases |
| Necessary protection equipment | • Complete protection equipment for fire-brigade.<br>• Use self-contained air respirators during strong smoke and steam development. |
| Notes | Do not whirl up smouldering fires in dust deposits with a full water jet – dust explosion hazard. |

## 8. Removal

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| Recyclability | Check possibility of recycling. |
| EC Waste Catalog | The product is classified in accordance with the European-Waste Catalogue (EWC) as "not dangerous". |
| Waste Removal | Has to be conveyed to a suitable dumping site or combustion plant in accordance with local regulations. |

## 8. Removal

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| EC Waste Code | • 17 02 01<br>• 03 01 0503 01 04 |
| Notes | – |

## 9. Marking and Guidelines

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| Marking in accordance with EEC Guideline | no labelling required |
| Notes | – |

## 10. Information about REACh

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| Information about REACh | According to EC directive 1907/2006/EC (REACh), Article 3, no.3 our products are clearly defined as articles, exempt from registration. The EU regulation about chemicals no. 1907/2006 (REACh), which came into force 01 st of June 2007, prescribes Material Safety Data Sheets only for dangerous substances and preparations. According to REACh we are manufacturing articles and, therefore, not required to issue safety sheets. |

## 11. Other Information

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| Other Information | The information in this document are based on our today's knowledge and represent no affirmation of characteristics.Existing laws and regulations are to be observed by the user of our product within his own responsibility. |