



**Safety data sheet iaw directive 91/155/EEC**

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| <b>1</b>     | <b>Identification of the substance and of the company</b> |  |
| <b>1.1</b>   | <b>Substance identification</b>                           |  |
|              | <b>Name of the substance</b>                              | JURAPERLE 120  |
| <b>1.2</b>   | <b>Other name</b>   | Ground, natural calcium carbonate  |
| <b>1.3</b>   | <b>Company identification</b>                             |  |
| <b>1.3.1</b> | <b>Company</b>  | Eduard Merkle GmbH & Co. KG  |
|              | <b>Address</b>  | Altental 6   |
|              | <b>Country code/ post code/ town</b>                      | D - 89143 Blaubeuren   |
|              | <b>Telephone</b>  | +49 (0)7344 96 01-0  |
|              | <b>Fax</b>  | +49 (0)7344 96 01-11   |
| <b>1.3.2</b> | <b>Inquiry department</b>                                 | Quality-Management   |
|              | <b>Telephone</b>  | +49 (0)7344 96 01-15   |
| <b>2</b>     | <b>Composition/information on ingredients</b>             |  |
| <b>2.1</b>   | <b>Chemical characterisation</b>                          |  |
| <b>2.1.1</b> | <b>CAS-No.</b>  | 1317-65-3  |
| <b>2.1.2</b> | <b>Name (ref. to EEC-directive)</b>                       | Calcium carbonate, limestone, CaCO <sub>3</sub> .  |
| <b>2.1.3</b> | <b>Symbol</b>   | Not applicable.  |
| <b>2.1.4</b> | <b>R-phrases</b>  | Not applicable.  |
| <b>2.1.5</b> | <b>EINECS-No.</b>   | 215-279-6  |
| <b>2.1.6</b> | <b>Additional remarks</b>                                 | The chemical characterisation is applicable for both limestone granules and limestone powder.  |
| <b>3</b>     | <b>Hazards identification</b>                             |  |
| <b>3.1</b>   | <b>Indication of hazard</b>                               | Not applicable.  |
| <b>3.2</b>   | <b>Critical hazards to man</b>                            | Not applicable.  |
| <b>4</b>     | <b>First aid</b>  |  |
| <b>4.1</b>   | <b>Inhalation</b>   | Not applicable.  |
| <b>4.2</b>   | <b>Skin contact</b>                                       | Not applicable.  |
| <b>4.3</b>   | <b>Eye contact</b>  | Wash affected area with water.   |
| <b>4.4</b>   | <b>Notes for the doctor</b>                               | Not applicable.  |
| <b>5</b>     | <b>Fire preventing measures</b>                           |  |
| <b>5.1</b>   | <b>Fire fighting procedure</b>                            | Product is not flammable.  |
| <b>6</b>     | <b>Accidental release measures</b>                        |  |
| <b>6.1</b>   | <b>Personal precautions</b>                               | Keep dust levels to a minimum, ensure that sufficient ventilation or suitable respiratory protective equipment is used (s. heading 8). |
| <b>6.2</b>   | <b>Environmental precautions</b>                          | Not applicable.  |
| <b>6.3</b>   | <b>Methods for cleaning up</b>                            | Pick up the product mechanically in a dry way.   |



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| <b>7</b>      | <b>Handling and storage</b>                    |               |             |   |
| <b>7.1</b>    | <b>Handling</b>                                |               |             |   |
| <b>7.1.1</b>  | <b>Precautions for safe handling</b>           |               |             | Keep dust levels to a minimum.  |
| <b>7.2</b>    | <b>Storage</b>                                 |               |             |   |
| <b>7.2.1</b>  | <b>Conditions for safe storage</b>             |               |             | Not applicable.   |
| <b>8</b>      | <b>Exposure controls / personal protection</b> |               |             |   |
| <b>8.1</b>    | <b>Occupational exposure limit:</b>            |               |             |   |
| <b>8.1.1</b>  | <b>CAS-No.</b>                                 |               |             | 1317-65-3   |
| <b>8.1.2</b>  | <b>Name of the substance</b>                   |               |             | Calcium carbonate, limestone  |
| <b>8.2</b>    | <b>Limit values of concentration in air</b>    |               |             |   |
| <b>8.2.1</b>  | <b>Dust limit value</b>                        |               |             | 3 mg/m <sup>3</sup> (A)   |
| <b>8.3</b>    | <b>Recommended individual protection</b>       |               |             |   |
| <b>8.3.1</b>  | <b>Respiratory organs</b>                      |               |             | e.g. particle-filtering half mask or particle filter P1-P3, BGR 190 "rules for the use of respiratory protective equipment", Main Association of the Industrial Employers' Liability Insurance Associations (BG). |
| <b>8.3.2</b>  | <b>Hand protection</b>                         |               |             | Not required.   |
| <b>8.3.3</b>  | <b>Eyes protection</b>                         |               |             | Not required.   |
| <b>8.3.4</b>  | <b>Body protection</b>                         |               |             | Not required.   |
| <b>8.3.5</b>  | <b>General safety and hygiene measures</b>     |               |             | Not required.   |
| <b>9</b>      | <b>Physical and chemical properties</b>        |               |             |   |
| <b>9.1</b>    | <b>Appearance</b>                              |               |             |   |
| <b>9.1.1</b>  | <b>Consistence</b>                             |               |             | Powder, granules.   |
| <b>9.1.2</b>  | <b>Colour</b>                                  |               |             | White to beige.   |
| <b>9.1.3</b>  | <b>Smell</b>                                   |               |             | Odourless.  |
| <b>9.2</b>    | <b>Safety-related data</b>                     |               | value/range | unit  |
| <b>9.2.1</b>  | <b>Fusion point</b>                            | Decomposition | 900         | °C (CaO and CO <sub>2</sub> ).  |
| <b>9.2.2</b>  | <b>Flash point</b>                             |               |             | Not applicable.   |
| <b>9.2.3</b>  | <b>Flammability</b>                            |               |             | Not applicable.   |
| <b>9.2.4</b>  | <b>Explosion danger</b>                        |               |             | Not applicable.   |
| <b>9.2.5</b>  | <b>Steam pressure</b>                          |               |             | Not applicable.   |
| <b>9.2.6</b>  | <b>Specific weight</b>                         | T = 20 °C     | 2,74        | g/cm <sup>3</sup> .   |
| <b>9.2.7</b>  | <b>Bulk density</b>                            | T = 20 °C     | 0,75        | g/cm <sup>3</sup> .   |
| <b>9.2.8</b>  | <b>Solubility (in water)</b>                   | T = 20 °C     | 16          | mg/l.   |
| <b>9.2.9</b>  | <b>pH (in saturated solution)</b>              | T = 20 °C     | 8-10.       |   |
| <b>9.2.10</b> | <b>Partition coefficient</b>                   |               |             | Not applicable.   |
| <b>10</b>     | <b>Stability and reactivity</b>                |               |             |   |
| <b>10.1</b>   | <b>Conditions to avoid</b>                     |               |             | Not applicable.   |
| <b>10.2</b>   | <b>Materials to avoid</b>                      |               |             | Not applicable.   |



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| <b>11</b>     | <b>Toxicological information</b>                                       |   |
| <b>11.1</b>   | <b>Toxicological tests</b>   |   |
| <b>11.1.1</b> | <b>Acute toxicity</b>  | Not applicable.   |
| <b>11.1.2</b> | <b>Specific symptoms in animal experiments</b>                         | Not applicable.   |
| <b>11.1.3</b> | <b>Irritation/corrosiveness</b>  | Not applicable.   |
| <b>11.1.4</b> | <b>Additional remarks</b>  | Not applicable.   |
| <b>11.2</b>   | <b>Practical experience</b>  |   |
| <b>11.2.1</b> | <b>Long term exposure</b>  | Not applicable.   |
| <b>12</b>     | <b>Ecological information</b>  |   |
| <b>12.1</b>   | <b>Persistence and degradation</b>                                     | Not applicable.   |
| <b>12.2</b>   | <b>Bioaccumulative potential</b>                                       | Not applicable.   |
| <b>12.3</b>   | <b>Additional remarks</b>  | Not applicable.   |
| <b>13</b>     | <b>Disposal considerations</b>   |   |
| <b>13.1</b>   | <b>Product</b>   | Further use possible if picked up in a dry way.   |
| <b>14</b>     | <b>Transport Information</b>   |   |
| <b>14.1</b>   | <b>Overland transport ADR/RID and GGVS/GGVE</b>                        | Not classified.   |
| <b>14.2</b>   | <b>Inland shipment ADN/ADR</b>   | Not classified.   |
| <b>14.3</b>   | <b>Overseas shipment IMDG/GGVSea</b>                                   | Not classified.   |
| <b>14.4</b>   | <b>Transport by air ICAO-TI and IATA-DGR</b>                           | Not classified.   |
| <b>15</b>     | <b>Regulatory information</b>  |   |
| <b>15.1</b>   | <b>Labelling according to EEC-Directives</b>                           |   |
| <b>15.1.1</b> | <b>Symbol and classification of the substance</b>                      | Not applicable.   |
| <b>15.1.2</b> | <b>R-Phrases</b>   | Not applicable.   |
| <b>15.1.3</b> | <b>S-Phrases</b>   | Not applicable.   |
| <b>15.2</b>   | <b>National regulations</b>  |   |
| <b>15.2.1</b> | <b>Restriction to employment</b>                                       | Not applicable.   |
| <b>15.2.2</b> | <b>Regulation on accident (StörfallIV)</b>                             | Not applicable.   |
| <b>15.2.3</b> | <b>Regulation on accident (VbF)</b>                                    | Not applicable.   |
| <b>15.2.4</b> | <b>German technical instruction on air pollution control (TA Luft)</b> | Not applicable.   |
| <b>15.2.5</b> | <b>Water endangering class</b>   | Not endangering to water.   |
| <b>15.2.6</b> | <b>Any other rules, restrictions and prohibiting regulations</b>       | Principles of occupational medicine, BG rules of practice, and others.  |
| <b>16</b>     | <b>Other information</b>   |   |
| <b>16.1</b>   | <b>Further information</b>   | The indications made in the safety data sheet reflect the state of knowledge of the producer/ supplier. They are no contractual assurance of quality properties of the product. |
| <b>16.2</b>   | <b>Department issuing data sheet</b>                                   | Quality-Management  |
| <b>16.3</b>   | <b>Person to contact:</b>  | Dipl.-Ing.(FH) Werner Kron  |

This data sheet has been drawn up according to Directive 91/155/EEC for use by our customers, although ground calcium carbonate does not appear on the list of dangerous substances (Directive 67/548/EEC).