

# DIN EN 1017:2017-08 (E)

## Chemicals used for treatment of water intended for human consumption - Half-burnt dolomite (includes Amendment :2017)

---

| Contents                                              | Page |
|-------------------------------------------------------|------|
| European foreword .....                               | 4    |
| Introduction .....                                    | 5    |
| 1 Scope .....                                         | 6    |
| 2 Normative references .....                          | 6    |
| 3 Description .....                                   | 6    |
| 3.1 Identification .....                              | 6    |
| 3.1.1 Chemical name .....                             | 6    |
| 3.1.2 Synonym or common name .....                    | 6    |
| 3.1.3 Relative molecular mass .....                   | 6    |
| 3.1.4 Empirical formula .....                         | 6    |
| 3.1.5 Chemical formula .....                          | 6    |
| 3.1.6 CAS Registry Number ) .....                     | 6    |
| 3.1.7 EINECS reference ) .....                        | 6    |
| 3.2 Commercial forms .....                            | 7    |
| 3.3 Physical properties .....                         | 7    |
| 3.3.1 Appearance .....                                | 7    |
| 3.3.2 Density .....                                   | 7    |
| 3.3.3 Solubility in water .....                       | 7    |
| 3.3.4 Vapour pressure .....                           | 7    |
| 3.3.5 Boiling point at 100 kPa ) .....                | 7    |
| 3.3.6 Melting point .....                             | 7    |
| 3.3.7 Specific heat .....                             | 7    |
| 3.3.8 Viscosity (dynamic) .....                       | 7    |
| 3.3.9 Critical temperature .....                      | 7    |
| 3.3.10 Critical pressure .....                        | 7    |
| 3.3.11 Physical hardness .....                        | 7    |
| 3.3.12 Particle size .....                            | 7    |
| 3.4 Chemical properties .....                         | 7    |
| 4 Purity criteria .....                               | 8    |
| 4.1 General .....                                     | 8    |
| 4.2 Composition of commercial product .....           | 8    |
| 4.3 Impurities and main by-product .....              | 8    |
| 4.4 Chemical parameters .....                         | 9    |
| 5 Test methods .....                                  | 9    |
| 5.1 Sampling - solid .....                            | 9    |
| 5.2 Analyses .....                                    | 9    |
| 6 Labelling - Transportation - Storage .....          | 9    |
| 6.1 Means of delivery .....                           | 9    |
| 6.2 Labelling according to the EU legislation ) ..... | 10   |
| 6.3 Transportation regulations and labelling .....    | 10   |
| 6.4 Marking .....                                     | 11   |
| 6.5 Storage .....                                     | 11   |
| 6.5.1 Long term stability .....                       | 11   |
| 6.5.2 Storage incompatibilities .....                 | 11   |

|                                                                               |           |
|-------------------------------------------------------------------------------|-----------|
| <b>Annex A (informative) General information on half-burnt dolomite .....</b> | <b>12</b> |
| <b>A.1 Origin .....</b>                                                       | <b>12</b> |
| <b>A.1.1 Raw materials .....</b>                                              | <b>12</b> |
| <b>A.1.2 Manufacturing process .....</b>                                      | <b>12</b> |
| <b>A.2 Use .....</b>                                                          | <b>12</b> |
| <b>A.2.1 Function .....</b>                                                   | <b>12</b> |
| <b>A.2.2 Other properties .....</b>                                           | <b>12</b> |
| <b>A.2.3 Form in which it is used .....</b>                                   | <b>12</b> |
| <b>A.2.4 Treatment dose .....</b>                                             | <b>12</b> |
| <b>A.2.5 Means of application .....</b>                                       | <b>12</b> |
| <b>A.2.6 Secondary effects .....</b>                                          | <b>12</b> |
| <b>A.2.7 Removal of excess product .....</b>                                  | <b>13</b> |
| <b>Annex B (normative) General rules relating to safety .....</b>             | <b>14</b> |
| <b>B.1 Rules for safe handling and use .....</b>                              | <b>14</b> |
| <b>B.2 Emergency procedures .....</b>                                         | <b>14</b> |
| <b>B.2.1 First aid .....</b>                                                  | <b>14</b> |
| <b>B.2.2 Spillage .....</b>                                                   | <b>14</b> |
| <b>B.2.3 Fire .....</b>                                                       | <b>14</b> |
| <b>Bibliography .....</b>                                                     | <b>15</b> |