

# DIN EN 16004:2012-02 (E)

## Chemicals used for treatment of water intended for human consumption - Magnesium oxide

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
Introduction .....		5
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Description .....</b>	<b>6</b>
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 .....	7
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	Particle size .....	7
3.4	Chemical properties .....	7
<b>4</b>	<b>Purity criteria .....</b>	<b>7</b>
4.1	General .....	7
4.2	Composition of commercial product .....	8
4.3	Impurities and main by-product .....	8
4.4	Chemical parameters .....	8
<b>5</b>	<b>Test methods .....</b>	<b>9</b>
5.1	Sampling .....	9
5.2	Analyses .....	9
<b>6</b>	<b>Labelling - Transportation - Storage .....</b>	<b>9</b>
6.1	Means of delivery .....	9
6.2	Risk and safety labelling according to the EU directives .....	9
6.3	Transportation regulations and labelling .....	10
6.4	Marking .....	10
6.5	Storage .....	10
6.5.1	Long term stability .....	10
6.5.2	Storage incompatibilities .....	10
<b>Annex A (informative) General information on magnesium oxide .....</b>		<b>11</b>
A.1	Origin .....	11
A.1.1	Raw materials .....	11
A.1.2	Manufacturing process .....	11
A.2	Use .....	11
A.2.1	Function .....	11

A.2.2	Other properties .....	11
A.2.3	Form in which it is used .....	11
A.2.4	Treatment dose .....	11
A.2.5	Means of application .....	11
A.2.6	Secondary effects .....	12
A.2.7	Removal of excess product .....	12
A.3	Rules for safe handling and use .....	12
A.4	Emergency procedures .....	12
A.4.1	First aid .....	12
A.4.2	Spillage .....	12
A.4.3	Fire .....	12
	<b>Bibliography .....</b>	<b>13</b>