

# DIN EN 15362:2014-08 (E)

## Chemicals used for treatment of swimming pool water - Sodium carbonate

---

<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>
<b>3.1</b>	<b>Identification .....</b>	<b>6</b>
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
<b>3.2</b>	<b>Commercial forms .....</b>	<b>7</b>
<b>3.3</b>	<b>Physical properties .....</b>	<b>7</b>
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 .....	8
3.3.10	Critical pressure .....	8
3.3.11	Physical hardness .....	8
<b>3.4</b>	<b>Chemical properties .....</b>	<b>8</b>
<b>4</b>	<b>Purity criteria .....</b>	<b>8</b>
4.1	General .....	8
4.2	Composition of commercial product .....	8
4.3	Impurities and main by-products .....	8
4.4	Chemical parameters .....	9
<b>5</b>	<b>Test methods .....</b>	<b>9</b>
<b>6</b>	<b>Labelling - Transportation - Storage .....</b>	<b>9</b>
6.1	Means of delivery .....	9
6.2	Labelling according to the EU legislation .....	9
6.3	Transportation regulations and labelling .....	10
6.4	Marking .....	10
6.5	Storage .....	10
6.5.1	General .....	10
6.5.2	Long term stability .....	10
6.5.3	Storage incompatibilities .....	10
<b>Annex A (informative)</b>	<b>General information on sodium carbonate .....</b>	<b>11</b>

<b>A.1</b>	<b>Origin</b> .....	<b>11</b>
<b>A.1.1</b>	<b>Raw materials</b> .....	<b>11</b>
<b>A.1.2</b>	<b>Manufacturing process</b> .....	<b>11</b>
<b>A.2</b>	<b>Use</b> .....	<b>11</b>
<b>A.2.1</b>	<b>Function</b> .....	<b>11</b>
<b>A.2.2</b>	<b>Form in which the product is used</b> .....	<b>11</b>
<b>A.2.3</b>	<b>Treatment dose</b> .....	<b>11</b>
<b>A.2.4</b>	<b>Means of application</b> .....	<b>11</b>
<b>A.2.5</b>	<b>Secondary effects</b> .....	<b>11</b>
<b>A.2.6</b>	<b>Removal of excess product</b> .....	<b>11</b>
<b>Annex B (normative) General rules relating to safety</b> .....		<b>12</b>
<b>B.1</b>	<b>Rules for safe handling and use</b> .....	<b>12</b>
<b>B.2</b>	<b>Emergency procedures</b> .....	<b>12</b>
<b>B.2.1</b>	<b>First aid</b> .....	<b>12</b>
<b>B.2.2</b>	<b>Spillage</b> .....	<b>12</b>
<b>B.2.3</b>	<b>Fire</b> .....	<b>12</b>
<b>Bibliography</b> .....		<b>13</b>