

# DIN EN 1408:2023-12 (E)

## Chemicals used for treatment of water intended for human consumption - Poly(diallyldimethylammonium chloride)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Description .....	6
4.1	Identification .....	6
4.1.1	Chemical name(s) .....	6
4.1.2	Synonym(s) or common name(s) .....	6
4.1.3	Relative molecular mass .....	6
4.1.4	Empirical formula .....	6
4.1.5	Chemical formula .....	7
4.1.6	CAS Registry Numbers .....	7
4.1.7	EINECS reference .....	7
4.2	Commercial form .....	8
5	Physical properties .....	8
5.1	Appearance .....	8
5.2	Density .....	8
5.3	Solubility .....	8
5.4	Vapour pressure .....	8
5.5	Boiling point at 100 kPa .....	8
5.6	Freezing point .....	8
5.7	Specific heat .....	8
5.8	Viscosity dynamic .....	9
5.9	Critical temperature .....	9
5.10	Critical pressure .....	9
5.11	Physical hardness .....	9
6	Chemical properties .....	9
6.1	General .....	9
6.2	Purity criteria .....	9
6.2.1	General .....	9
6.2.2	Impurities and main by-products .....	9
6.3	Composition of commercial product .....	9
6.4	Chemical parameters .....	10
7	Test methods .....	10
7.1	Sampling .....	10
7.1.1	General .....	10
7.1.2	Sampling from drums and bottles .....	10
7.2	Analyses .....	11
7.2.1	General .....	11
7.2.2	Main product .....	11
7.2.3	Impurities .....	13

<b>8</b>	<b>Labelling - transportation - storage .....</b>	<b>17</b>
<b>8.1</b>	<b>Means of delivery .....</b>	<b>17</b>
<b>8.2</b>	<b>Labelling according to the EU Legislation .....</b>	<b>17</b>
<b>8.3</b>	<b>Transportation regulations and labelling .....</b>	<b>18</b>
<b>8.4</b>	<b>Marking .....</b>	<b>18</b>
<b>8.5</b>	<b>Storage .....</b>	<b>18</b>
<b>8.5.1</b>	<b>Long term stability .....</b>	<b>18</b>
<b>8.5.2</b>	<b>Storage incompatibilities .....</b>	<b>18</b>
<b>Annex A (informative)</b>	<b>General information on polyDADMAC .....</b>	<b>19</b>
<b>A.1</b>	<b>Origin .....</b>	<b>19</b>
<b>A.1.1</b>	<b>Raw materials .....</b>	<b>19</b>
<b>A.1.2</b>	<b>Manufacturing process .....</b>	<b>19</b>
<b>A.2</b>	<b>Use .....</b>	<b>19</b>
<b>A.2.1</b>	<b>Function .....</b>	<b>19</b>
<b>A.2.2</b>	<b>Form in which it is used .....</b>	<b>19</b>
<b>A.2.3</b>	<b>Treatment dose .....</b>	<b>19</b>
<b>A.2.4</b>	<b>Means of application .....</b>	<b>19</b>
<b>A.2.5</b>	<b>Secondary effects .....</b>	<b>19</b>
<b>A.2.6</b>	<b>Removal of excess product .....</b>	<b>19</b>
<b>A.3</b>	<b>Rules for safe handling and use .....</b>	<b>19</b>
<b>A.4</b>	<b>Emergency procedures .....</b>	<b>20</b>
<b>A.4.1</b>	<b>First aid .....</b>	<b>20</b>
<b>A.4.2</b>	<b>Spillage .....</b>	<b>20</b>
<b>A.4.3</b>	<b>Fire .....</b>	<b>20</b>
<b>Bibliography .....</b>		<b>21</b>