

DIN EN 878:2016-09 (E)

Chemicals used for treatment of water intended for human consumption - Aluminium sulfate

Contents		Page
European foreword		4
1	Scope	5
2	Normative references	5
3	Description	5
3.1	Identification	5
3.1.1	Chemical name	5
3.1.2	Synonym or common names	5
3.1.3	Relative molecular mass	5
3.1.4	Empirical formula	5
3.1.5	Chemical formula	5
3.1.6	CAS Registry Number	5
3.1.7	EINECS reference	6
3.2	Commercial forms	6
3.3	Physical properties	6
3.3.1	Appearance	6
3.3.2	Density	6
3.3.3	Solubility	6
3.3.4	Vapour pressure at 20 °C	7
3.3.5	Boiling point at 100 kPa	7
3.3.6	Crystallization 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	8
3.4	Chemical properties	8
4	Purity criteria	8
4.1	General	8
4.2	Composition of commercial product	8
4.3	Impurities and main by-products	8
4.4	Chemical parameters	9
5	Test methods	9
5.1	Sampling	9
5.1.1	Solid	9
5.1.2	Liquid	9
5.2	Analyses	10
6	Labelling - Transportation - Storage	10
6.1	Means of delivery	10
6.2	Labelling in accordance with the EU legislation	10
6.3	Transportation regulations and labelling	11
6.4	Marking	12
6.5	Storage	12
6.5.1	General	12
6.5.2	Long term stability	12
6.5.3	Storage incompatibilities	12

Annex A (informative) General information on aluminium sulfate	13
A.1 Origin	13
A.1.1 Raw materials	13
A.1.2 Manufacturing process	13
A.2 Quality of commercial product	13
A.3 Use	15
A.3.1 Function	15
A.3.2 Form in which it is used	15
A.3.3 Treatment dose	15
A.3.4 Means of application	15
A.3.5 Secondary effects	15
A.3.6 Removal of excess product	16
Annex B (normative) General rules relating to safety	17
B.1 Rules for safe handling and use	17
B.2 Emergency procedures	17
B.2.1 First aid	17
B.2.2 Spillage	17
B.2.3 Fire	17
Bibliography	18