

DIN EN 889:2023-05 (E)

Chemicals used for treatment of water intended for human consumption - Iron (II) sulfate

Contents		Page
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 names	6
4.1.2	Synonym or common names	6
4.1.3	Relative molecular mass	7
4.1.4	Empirical formula	7
4.1.5	Chemical formula	7
4.1.6	CAS Registry Number	7
4.1.7	EINECS reference	7
4.2	Commercial forms	7
4.3	Physical properties	8
4.3.1	Appearance	8
4.3.2	Density	8
4.3.3	Solubility (in water)	8
4.3.4	Vapour pressure	8
4.3.5	Boiling point at 100 kPa	8
4.3.6	Melting point	8
4.3.7	Specific heat	8
4.3.8	Viscosity (dynamic)	8
4.3.9	Critical temperature	8
4.3.10	Critical pressure	9
4.3.11	Physical hardness	9
4.4	Chemical properties	9
5	Purity criteria	9
5.1	General	9
5.2	Composition of commercial product	9
5.3	The grade of the product	9
5.4	The type of the product	10
6	Test methods	10
6.1	Sampling	10
6.2	Analyses	10
7	Labelling - Transportation - Storage	11
7.1	Means of delivery	11
7.2	Risk and safety labelling according to the EU Directives	11
7.3	Transportation regulations and labelling	11
7.4	Marking	12
7.5	Storage	12
7.5.1	Long term stability	12

7.5.2 Storage incompatibilities.....	12
Annex A (informative) General information on iron (II) 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.....	15
Annex B (normative) General rules relating to safety	16
B.1 General rules relating to safety	16
B.2 Emergency procedures.....	16
B.2.1 First aid	16
B.2.2 Spillage	16
B.2.3 Fire.....	16
Bibliography	17