

DIN EN 890:2023-05 (E)

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

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

Annex A (informative) General information on iron (III) sulfate solution	12
A.1 Origin	12
A.1.1 Raw materials	12
A.1.2 Manufacturing process	12
A.2 Quality of commercial product.....	12
A.3 Use.....	13
A.3.1 Function	13
A.3.2 Form in which it is used	13
A.3.3 Treatment dose	13
A.3.4 Means of application.....	14
A.3.5 Secondary effects.....	14
A.3.6 Removal of excess product.....	14
Annex B (normative) General rules relating to safety	15
B.1 Rules for safe handling and use.....	15
B.2 Emergency procedures.....	15
B.2.1 First aid	15
B.2.2 Spillage	15
B.2.3 Fire.....	15
Bibliography	16