DIN EN 12121:2023-03 (E)

Chemicals used for treatment of water intended for human consumption - Sodium disulfite

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 commons name 6
4.1.3 Relative molecular mass 6
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 form 7
4.3 Physical properties 7
4.3.1 Appearance and odour 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 Crystallization point 7
4.3.7 Specific heat 7
4.3.8 Viscosity dynamic 7
4.3.9 Critical temperature 8
4.3.10 Critical pressure 8
4.3.11 Physical hardness 8
4.4 Chemical properties 8

5 Purity criteria 8
5.1 General 8
5.2 Composition of commercial product 8
5.3 Impurities and main by-products 8
5.4 Chemical parameters 9

6 Test methods 9
6.1 Sampling 9
6.2 Analyses 9
6.2.1 General 9
6.2.2 Main product 9
6.2.3 Impurities 10
6.2.4 Chemical parameters 10

7 Labelling, Transportation, Storage 15
7.1 Means of delivery 15
7.2 Labelling 15

7.3 Transportation labelling 16
7.4 Marking 17
7.5 Storage 17
7.5.1 Long term stability 17
7.5.2 Storage incompatibilities 17

Annex A (informative) General information on sodium disulfite 18

A.1 Origin 18
A.1.1 Raw materials 18
A.1.2 Manufacturing process 18
A.2 Use 18
A.2.1 Function 18
A.2.2 Form in which it is used 18
A.2.3 Treatment dose 18
A.2.4 Means of application 18
A.2.5 Secondary effects 18
A.2.6 Removal of excess product 18

Annex B (normative) General rules relating to safety 19

B.1 Rules for safe handling and use 19
B.2 Emergency procedures 19
B.2.1 First aid 19
B.2.2 Spillage 19
B.2.3 Fire 19

Bibliography 20