DIN EN 1406:2018-01 (E)

Chemicals used for treatment of water intended for human consumption - Modified starches

Contents

Page

European foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Description 6
3.1 Identification 6
3.1.1 Chemical names 6
3.1.2 Synonyms or common names 6
3.1.3 Relative molecular mass 6
3.1.4 Empirical formulae 7
3.1.5 Chemical formulae 7
3.1.6 CAS Registry Numbers 8
3.1.7 EINECS reference 8
3.2 Commercial form 9
3.3 Physical properties 9
3.3.1 Appearance 9
3.3.2 Density 9
3.3.3 Solubility 9
3.3.4 Vapour pressure 9
3.3.5 Boiling point at 100 kPa 9
3.3.6 Melting point 9
3.3.7 Specific heat 9
3.3.8 Viscosity, dynamic 9
3.3.9 Critical temperature 9
3.3.10 Critical pressure 9
3.3.11 Physical hardness 10
3.4 Chemical properties 10

4 Purity criteria 10
4.1 General 10
4.2 Composition of commercial product 10
4.3 Impurities and main by-products 10
4.4 Chemical Parameters 11

5 Test methods 11
5.1 Sampling 11
5.2 Analyses 11
5.2.1 General 11
5.2.2 Main product 11
5.2.3 Impurities 12

6 Labelling - Transportation - Storage 12
6.1 Means of delivery 12
6.2 Labelling in accordance with the EU legislation 12
6.3 Transportation regulations and labelling 13
6.4 Marking 13
6.5 Storage 13

6.5.1 Long term stability 13
6.5.2 Storage incompatibilities 13

Annex A (informative) General information on modified starches 14

A.1 Origin 14
A.1.1 Raw materials 14
A.1.2 Manufacturing process 14
A.2 Use 14
A.2.1 Function 14
A.2.2 Form in which it is used 14
A.2.3 Treatment dose 15
A.2.4 Means of application 15
A.2.5 Secondary effects 15
A.2.6 Removal of excess product 15
A.3 Rules for safe handling and use 15
A.4 Emergency procedures 15
A.4.1 First aid 15
A.4.2 Spillage 16
A.4.3 Fire 16

Bibliography 17