



Product Specification

Product Name: BORIC ACID Powder LR

Alternate Name(s) Boracic acid; orthoboric acid.

Description

Colourless odourless white powder; stable in air.

Properties

Chemical Formula: H_3BO_3

Molecular Weight: 61.83

Product Code: BL032

CAS No. 10043-35-3

General Information:

Soluble in alcohol and glycerol. Reacts violently with potassium, acid anhydrides. Incompatible with water, strong bases, alkali metals. Non-flammable. Moisture sensitive.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH1D

Poison schedule: S5

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

| | |
|-----------------------------|---------------------------|
| Specific Gravity | 1.51 (20 °C) |
| Solubility in water (21 °C) | 50 g/l |
| Appearance of solution | Clear, colourless |
| Identity | According to requirements |
| Solubility in alcohol | Passes test |
| Organic matter | Passes test |
| Sulfates | ≤ 0.045% |
| Heavy metals (as Pb) | ≤ 0.0015% |
| pH | 3.80 - 4.80 |

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