

# Zhengzhou Thadol Industry Co.,Ltd

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## Technical Data Sheet

Date:April 23,2025

### Technical Data Sheet

Boric Acid

#### Primary Surfactant

Product name:Boric Acid

#### Chemical description:

Ingredient CAS No. :10043-35-3

HS Code : 2810002000

Molecular formula: H3BO3

Molecular weight: 61.833

#### Product Description

Boric acid, also called hydrogen borate, boracic acid, orthoboric acid and acidum boricum, is a weak acid of boron often used as an antiseptic, insecticide, flame retardant, neutron absorber, or precursor to other chemical compounds. It has the chemical formula H3BO3 (sometimes written B(OH)3), and exists in the form of colorless crystals or a white powder that dissolves in water. When occurring as a mineral, it is called sassolite.

Appearance

Colourless or white odourless crystalline solid

CAS: 11113-501

MF: Bh3o3

MW: 61.83

Melting point: 160 °C (dec.) (lit.)

Boiling point: 219-220 °C (9.7513 mmHg)

Density: 1.440 g/cm3

Storage temp.: Store at +5°C to +30°C.

#### Specification:

Item	Specifications
Appearance	White powdery crystal
Grade	Food grade
Content (H3BO3), %	99.4-100.8
Water insoluble matter, % ≤	0.04
Chloride (by Cl), % ≤	0.050
Sulphate (by SO4),% ≤	0.20
Iron, % ≤	0.0015

#### Usage

Boric acid (H3BO3) is a solid, soft, smooth, solid weak acid that is used in pharmaceutical and cosmetic industries.

It is chemical used for making ceramics, glazes, cements, wicks, food preservatives, special glasses; Also for leather dressing compounds for preparation of hides prior to tanning; Artificial precious stones; As flux in metallurgical industry, fire-proofing compositions and linings for safes; Also for pigments; Enamel paints, paper glazes, cosmetics, soaps, textiles, medicines, etc.

#### Packing

25kg/bag, 25tons per 20'FCL

Various packagings are also available to meet different customers' requirements.