

Identification

KBrO₃
M = 167,01 g/mol
CAS [7758-01-2]
EC number: 231-829-8
Taric code: 2829 90 40

Synonyms

Bromic acid potassium salt

Applications

analytical chemistry, laboratory reagent, in food industry.

Specifications

assay (iodometric).....	min. 99 %	sulfates (SO ₄).....	max. 0,025 %
insoluble in water.....	max. 0,01 %	copper (Cu).....	max. 0,002 %
pH (5 %, H ₂ O).....	5 - 9	iron (Fe).....	max. 0,002 %
nitrogen compounds (as N).....	max. 0,005 %	lead (Pb).....	max. 0,002 %
bromides (Br).....	max. 0,05 %	nickel (Ni).....	max. 0,002 %
		loss on drying (105 °C).....	max. 0,1 %

Physical data

- Appearance: crystalline powder, white
- Spec. Density: 3,42 g/cm³
- Bulk density: ~ 1400 kg/m³
- Solub. in water: (20 °C): ~ 70 g/l
- Melting point: 434 °C
- pH(50 g/l H₂O, 20 °C) 5 - 9

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H271: May cause fire or explosion; strong oxidiser.
H301: Toxic if swallowed.
H350: May cause cancer.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
P283: Wear fire / flame resistant / retardant clothing.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 II • UN 1484 • POTASSIUM BROMATE
- IMDG: 5.1 II • UN 1484 • POTASSIUM BROMATE
- IATA/ICAO: 5.1 II • UN 1484 • POTASSIUM BROMATE
- PAX: 508
- CAO: 511
- 10°C - 30°C