

**Identification**

KBrO<sub>3</sub>  
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, on dried sample).....	min. 99,8 %	total nitrogen (as N).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	heavy metals (as Pb).....	max. 5 ppm
pH (5 %, H <sub>2</sub> O).....	5 - 9	iron (Fe).....	max. 5 ppm
bromides (Br).....	max. 0,02 %	sodium (Na).....	max. 0,01 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %		

**Physical data**

- Appearance: crystalline powder, white
- Spec. Density: 3,42 g/cm<sup>3</sup>
- Bulk density: ~ 1400 kg/m<sup>3</sup>
- Solub. in water: (20 °C): ~ 70 g/l
- Melting point: 434 °C
- pH(50 g/l H<sub>2</sub>O, 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.  
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 157 mg/kg
- WGK: 3\*
- Poison class CH (Swiss): 3

**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