

Identification

KIO₃
M = 214,00 g/mol
CAS [7758-05-6]
EC number: 231-831-9
Taric code: 2829 90 80

Specifications

assay (on dried sample).....	99,4 - 100,4 %	total nitrogen (as N).....	max. 0,005 %
chlorides and bromides (as Cl).....	max. 0,01 %	heavy metals (as Pb).....	max. 0,0005 %
iodides (I).....	max. 0,001 %	iron (Fe).....	max. 0,001 %
sulfates (SO ₄)	max. 0,005 %	sodium (Na).....	max. 0,005 %

Packaging**Packaging Code**

100 g  PO04040100

Physical data

- Spec. Density: 3,98 g/cm³
- Bulk density: ~ 2000 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 560 °C
- pH(50 g/l H₂O, 20 °C) ~ 6

Safety - GHS

Signal Word: Danger

**Hazard Statements:**

H272: May intensify fire; oxidiser.

Precautionary Statements:

- P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P220: Keep / Store away from clothing / combustible materials.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P370+P378a: In case of fire: Use for extinction: CO₂, powder or water spray.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- WGK: 1
- Poison class CH (Swiss): 3

Transport/storage

- ADR: 5.1 O2 II • UN 1479 • OXIDIZING SOLID, N.O.S. (Potassium iodate)
- IMDG: 5.1 II • UN 1479 • OXIDIZING SOLID, N.O.S. (Potassium iodate)
- IATA/ICAO: 5.1 II • UN 1479 • OXIDIZING SOLID, N.O.S. (Potassium iodate)
- PAX: 508
- CAO: 511
- Store between 15°C and 25°C