

Identification

LiNO₃
M = 68,95 g/mol
CAS [7790-69-4]
EC number: 232-218-9
Taric code: 2834 29 80

Synonyms

Nitric acid lithium salt

Applications

laboratory reagent, corrosion inhibitor.

Specifications

assay (argentometric).....	min. 98 %	calcium (Ca).....	max. 0,005 %
insoluble in water.....	max. 0,05 %	copper (Cu).....	max. 0,005 %
carbonates (CO ₃).....	max. 0,005 %	iron (Fe).....	max. 0,005 %
chlorides (Cl).....	max. 0,02 %	lead (Pb).....	max. 0,005 %
phosphates (as PO ₄).....	max. 0,005 %	nickel (Ni).....	max. 0,005 %
sulfates (SO ₄).....	max. 0,05 %	potassium (K).....	max. 0,02 %
ammonium (NH ₄).....	max. 0,005 %	sodium (Na).....	max. 0,05 %

Physical data

- Spec. Density: 2,36 g/cm³
- Bulk density: ~ 910 kg/m³
- Solub. in water: (20 °C): 522 g/l
- Melting point: 255 °C
- pH(50 g/l H₂O, 20 °C) ~ 7 - 9
- Hygroscopic

Safety - GHS

Signal Word: Warning

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+P378: In case of fire: Use ... for extinction.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 III • UN 2722 • LITHIUM NITRATE
- IMDG: 5.1 III • UN 2722 • LITHIUM NITRATE
- IATA/ICAO: 5.1 III • UN 2722 • LITHIUM NITRATE
- PAX: 516
- CAO: 518
- 10°C - 30°C