

Identification

Li₂CO₃
M = 73,89 g/mol
CAS [554-13-2]
EC number: 209-062-5
Taric code: 2836 91 00

Applications

analytical chemistry, in the production of enamels (in porcelain industry, in the electronic industry), for pharmaceuticals synthesizing.

Specifications

assay (acidimetric).....	min. 99,0 %	heavy metals.....	max. 0,001 %
insoluble in diluted HCl.....	max. 0,01 %	iron (Fe).....	max. 0,001 %
chlorides (Cl).....	max. 0,005 %	magnesium (Mg).....	max. 0,001 %
nitrates (NO ₃).....	max. 0,0005 %	potassium (K).....	max. 0,005 %
calcium (Ca).....	max. 0,005 %	sodium (Na).....	max. 0,005 %
		sulphur compounds (as SO ₄).....	max. 0,2 %

Physical data

- Spec. Density: 2,1 g/cm³
- Bulk density: ~ 250 kg/m³
- Solub. in water: (20 °C): 13 g/l
- Melting point: 720 °C
- pH(5 g/l H₂O, 20 °C) ~ 10 - 11

Safety - GHS

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed.
H319: Causes serious eye irritation.


Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313: If eye irritation persists: Get medical advice / attention.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C