

Identification

PbO
M = 223,19 g/mol
CAS [1317-36-8]
EC number: 215-267-0
Taric code: 2824 10 00

Synonyms

Litharge

Applications

laboratory reagent, in building materials, in the ceramics industry, painting (in porcelain industry, in the ceramics industry), pigment (in the rubber industry).

Specifications

assay (complexometric).....	99 - 100,5 %	iron (Fe).....	max. 0,005 %
insoluble in diluted CH ₃ COOH.....	max. 0,2 %	copper (Cu).....	max. 0,005 %
chlorides (Cl).....	max. 0,05 %	silver (Ag).....	max. 0,005 %
nitrates (NO ₃).....	max. 0,05 %	loss on calcination (700 °C).....	max. 0,2 %

Physical data

- Appearance: floury powder, orange
- Spec. Density: 9,6 g/cm³
- Bulk density: ~ 3500 - 3700 kg/m³
- Solub. in water: (20 °C): 0,017 g/l
- Melting point: 890 °C
- Boiling point: 1470 °C
- pH(100 g/l H₂O, 20 °C) 8 - 9

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H360Df: May damage the unborn child. Suspected of damaging fertility.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H302: Harmful if swallowed.
H332: Harmful if inhaled.
EUH201: Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.



Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T5 III • UN 2291 • LEAD COMPOUND, SOLUBLE, N.O.S.(Lead(II) oxide)
- IMDG: 6.1 III • UN 2291 • LEAD COMPOUND, SOLUBLE, N.O.S.(Lead(II) oxide)
- IATA/ICAO: 6.1 III • UN 2291 • LEAD COMPOUND, SOLUBLE, N.O.S.(Lead(II) oxide)
- PAX: 619
- CAO: 619
- 10°C - 30°C