

Identification

C
M = 12,01 g/mol
CAS [7440-44-0]
EC number: 231-153-3
Taric code: 3802 10 00

Applications

analytical chemistry, for decolourization of liquids, antidote, in explosive compositions.

Specifications

solubility in HCl.....	max. 3 %	heavy metals (as Pb).....	max. 0,005 %
solubility in water.....	max. 0,5 %	iron (Fe).....	max. 0,05 %
pH (5 %, H ₂ O).....	5 - 7	zinc (Zn).....	max. 0,001 %
chlorides (Cl).....	max. 0,02 %	methylene blue adsorption (0,15 % solution).....	min. 12 ml/0,1g
sulfates (SO ₄).....	max. 0,05 %	residue on ignition (600 °C).....	max. 7 %
		loss on drying	max. 10 %

Physical data

- Appearance: powder, black
- Spec. Density: ~ 1,8 - 2,1 g/cm³
- Bulk density: ~ 250 - 350 kg/m³
- Solub. in water: (20 °C): insoluble
- pH(50 g/l H₂O, 20 °C) ~ 4 - 7

Safety - GHS

Signal Word: Warning

Hazard Statements:

H252: Self-heating in large quantities; may catch fire.
H315: Causes skin irritation.



Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P235+P410: Keep cool. Protect from sunlight.
P332+P313: If skin irritation occurs: Get medical advice / attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P420: Store away from other materials.
P407: Maintain air gap between stacks / pallets.

Transport/storage

- ADR: 4.2 S2 III • UN 1362 • CARBON, ACTIVATED
- IMDG: 4.2 III • UN 1362 • CARBON, ACTIVATED
- IATA/ICAO: 4.2 III • UN 1362 • CARBON, ACTIVATED
- PAX: 472
- CAO: 472
- 10°C - 30°C