

**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 <sub>2</sub> 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 <sub>4</sub> ).....	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/cm<sup>3</sup>
- Bulk density: ~ 250 - 350 kg/m<sup>3</sup>
- Solub. in water: (20 °C): insoluble
- pH(50 g/l H<sub>2</sub>O, 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