

**Identification**

Fe  
M = 55,85 g/mol  
CAS [7439-89-6]  
EC number: 231-096-4  
Taric code: 7205 29 00

**Specifications**

assay (cerimetric).....	min. 99 %	arsenic (As).....	max. 5 ppm
insoluble in HCl .....	max. 0,5 %	copper (Cu).....	max. 0,01 %
solubility in water.....	max. 0,1 %	lead (Pb).....	max. 0,002 %
chlorides (Cl).....	max. 0,001 %	manganese (Mn).....	max. 0,1 %
sulfides (S).....	max. 0,01 %	nickel (Ni).....	max. 0,05 %
		zinc (Zn).....	max. 0,005 %

**Physical data**

- Appearance: powder, grey
- Spec. Density: 7,87 g/cm<sup>3</sup>
- Solub. in water: (20 °C): insoluble
- Melting point: 1535 °C
- Boiling point: ~ 3000 °C
- Ignition temperature: > 100 °C

**Safety - GHS**

Signal Word: Warning

Hazard Statements:

H228: Flammable solid.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P240: Ground/bond container and receiving equipment.  
P370+P378: In case of fire: Use ... for extinction.

**Transport/storage**

- ADR: 4.1 F3 III • UN 3089 • METAL POWDER, FLAMMABLE, N.O.S.
- IMDG: 4.1 III • UN 3089 • METAL POWDER, FLAMMABLE, N.O.S.
- IATA/ICAO: 4.1 III • UN 3089 • METAL POWDER, FLAMMABLE, N.O.S.
- PAX: 419
- CAO: 420
- 10°C - 30°C