

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/cm³
- 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