

Identification

Fe₂O₃
M = 159,70 g/mol
CAS [1309-37-1]
EC number: 215-168-2
Taric code: 2821 10 00

Applications

analytical chemistry, in the rubber industry (pigment), painting, in porcelain industry, in semiconductors industry, catalyst.

Specifications

assay (iodometric).....min. 96 %	sulfates (SO ₄).....max. 0,5 %
solubility in water.....max. 1 %	manganese (Mn).....max. 0,25 %
phosphates (as PO ₄).....max. 0,3 %	residue on ignition.....max. 0,5 %

Physical data

- Spec. Density: 5,2 g/cm³
- Bulk density: ~ 700 kg/m³
- Solub. in water: (20 °C): insoluble
- Melting point: 1562 °C (decomposes)
- pH(40 g/l H₂O, 20 °C) ~ 5

Transport/storage

- 15°C - 25°C