

iron oxide

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|-----------------------------|-----------------------------|
| Other names: | Iron monoxide |
| Inchi: | InChI=1S/Fe.O |
| InchiKey: | UQSXHKLRYXJYBZ-UHFFFAOYSA-N |
| Formula: | FeO |
| SMILES: | O=[Fe] |
| Mol. weight [g/mol]: | 71.84 |
| CAS: | 1345-25-1 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------------|--------|--------------|
| affp | 907.00 | kJ/mol | NIST Webbook |
| basg | 880.50 | kJ/mol | NIST Webbook |
| ea | 1.49 ± 0.00 | eV | NIST Webbook |
| ea | 1.49 ± 0.02 | eV | NIST Webbook |
| ea | 1.50 ± 0.04 | eV | NIST Webbook |
| ea | 1.49 | eV | NIST Webbook |
| ie | 8.90 ± 0.16 | eV | NIST Webbook |
| ie | 8.71 ± 0.10 | eV | NIST Webbook |
| ie | 8.00 ± 1.00 | eV | NIST Webbook |

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1345251&Units=SI>

Legend

| | |
|--------------|-------------------|
| affp: | Proton affinity |
| basg: | Gas basicity |
| ea: | Electron affinity |
| ie: | Ionization energy |

Latest version available from:

<https://www.chemeo.com/cid/30-529-1/iron-oxide.pdf>

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