

# CHEMIK CO., LTD.

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## TECHNICAL DATA SHEET

**1. Product Name:** Iron oxide yellow 8150EZ

**2. CAS Number:** 51274-00-1

**3. Formula:** FeO. H<sub>2</sub>O

**4. Molecular weight:** 177.69

**5. Chemical-Physical Properties:**

Appearance: yellow crystal powder

Tamped apparent Density/Bulk Density: 0.4-0.6g/cm<sup>3</sup>

Melting point: 1200°C

Solubility: Insoluble in water and alcohols, soluble in acids.

Stability: set off crystalized water above 150°C, and turn red.

**6. Usage:** Inorganic pigment. Widely used in concrete coloring, paintings, printing inks.

**7. Specification:**

Fe<sub>2</sub>O<sub>3</sub>: 86.0% min.

Oil absorption: 25-35 ml/100g

Volatiles at 105°C: 1.0% max.

Residue of 320 mesh: 0.008% max.

Water solubles: 0.5% max.

PH value: 4.5-7.5

Tinting strength: 95-105

Hegman: 4+

Dispersibility: 30%

Shade: similar with standard sample

**8. Packaging:**

25kgs PP woven bag or Kraft bags, unpalletized

25kgs bags, 24bags per pallet, shrink-wrapped.

600kgs PP woven jumbo bag, palletized.