

CHEMIK CO., LTD.

2225, 55 YUNSHI STREET, NINGBO 315010, CHINA

TEL: +86 574-87296330 87296118 87298855 FAX: +86 574-87297461



TECHNICAL DATA SHEET

1. Product Name: Iron oxide yellow 313

2. CAS Number: 51274-00-1

3. Formula: FeO. H₂O

4. Molecular weight: 177.69

5. Chemical-Physical Properties:

Appearance: yellow crystal powder

Tamped apparent Density/Bulk Density: 0.4-0.6g/cm³

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:

Fe₂O₃: 86.0% min.

Oil absorption: 25-35 ml/100g

Volatiles at 105°C: 1.0% max.

Residue of 325 mesh: 0.3% max.

Water solubles: 0.3% max.

PH value: 3-7

Tinting strength: 95-105

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.