

Iron Oxide Red Technical Data Sheet

DRAFT FOR TECHNICAL CONFIRMATION | Revision 0 | 03 October 2026

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This draft summarizes documented information for red iron oxide pigment. It is not an approved product specification or a batch certificate of analysis. Grade-specific quality limits and test methods require manufacturer confirmation before commercial release.

Documented product information

Property	Reported information	Source and scope
Product and grade	Iron oxide pigment; S130 identified in sea report	MSDS model: N/A; S130 linkage pending
Appearance	Red powder	Both documents describe red powder
Iron(III) oxide	At least 95%; CAS 1309-37-1	MSDS composition declaration; not batch assay
Water and impurities	No more than 5% combined	MSDS declaration; not a moisture-only limit
Odor	Pending confirmation	MSDS: odorless; S130 sea report: weak odor
Sea transport	Reported as not subject to IMO IMDG Code; packing group: none	S130 only; report dated 07 August 2026

Technical specification fields awaiting confirmation

Parameter group	Status
Tinting strength; color tolerance and reference standard	Not provided
Oil absorption; sieve residue and mesh size; particle size	Not provided
pH; moisture or volatile matter; water-soluble matter; density	Not provided
Heat, light and weather resistance; application suitability	Not provided
Packaging and net weight; shelf life; grade-specific test methods	Not provided

Handling and document scope

The MSDS recommends cool, ventilated storage and identifies heat and humidity among conditions to avoid. Consult the applicable, complete SDS before handling. This TDS does not replace an SDS or shipping documentation. Do not apply these red-pigment declarations to other colors or grades.

Source references and release checks

- MSDS SIT260225370102SF, completed 28 February 2026; data audit unit: Shenzhen SIT Testing Technology Co., Ltd. Composition: page 1; physical properties: page 6. Supplied file has 10 pages although its headers state 11.
- Sea transport report 202601782716061, Shanghai Institute of Chemical Industry Testing Co., Ltd.; issued and effective 07 August 2026; sample: S130. Assessment cites the IMO IMDG Code, 2024 edition.
Before release: confirm MSDS coverage of S130, reconcile odor, verify MSDS completeness, and approve grade-specific limits, methods, packaging and shelf life.