

Kraft Micaceous Iron Oxide – Data Sheet (SUBMICRO-series)

Product	Kraft Micaceous Iron Oxide SUB 2,5	Kraft Micaceous Iron Oxide SUB 5	Kraft Micaceous Iron Oxide 7,5	Kraft Micaceous Iron Oxide 10	Kraft Micaceous Iron Oxide 15	Kraft Micaceous Iron Oxide 20 R
Colour	Red	Red	Red	Red	Red	Red
Particle Shape	Lamellar	Lamellar	Lamellar	Lamellar	Lamellar	Lamellar
Iron Content (Fe ₂ O ₃ , acc. to ISO 787/10)	4, 8	4, 8	4, 8	4, 8	4, 8	4, 8
Bulk Density g/cm ³ (DIN 53466)	1, 5	1, 5	1, 5	1, 5	1, 5	1, 5
Specific Surface BET	3,60 m ² /g	3,00 m ² /g	2,50 m ² /g	1,90 m ² /g	1,90 m ² /g	1,70 m ² /g
Lamellar Content	90%	90%	90%	90%	90%	90%
Particle Size Distribution d ₉₈ (CILAS 1064)	2,5 µm	5 µm	7,5 µm	10 µm	15 µm	20 µm

1975 N. Hawthorne Ave.
Melrose Park, IL 60160
708-345-5200 *office*
708-345-4005 *fax*
kraftchemical.com



Material Safety Data Sheet according to 91/155/EEC (incl. EC-Directive 2001/58/EEC)

1. Identification of the substance/preparation and the company

Natural micaceous iron oxide/Trade name: Kraft Micaceous Iron Oxide

Use of the substance: application in anticorrosive and decorative paints, application in break linings, plastics, rubber and ceramic industry

2. Composition/information on ingredients

Micaceous iron oxide Fe₂O₃ CAS No.: 1317-60-8 EINECS No.: 215-275-4 INDEX R-phrases: /

3. Hazards identification

Hazard warning not required. These products do not require labeling.

4. First-aid measures

In case of eye contact, rinse with plenty of water. If irritation of the eyes persists, consult a doctor (ophthalmologist).

5. Fire-fighting measures

Extinguishing media: No restriction in fire situations.

6. Accidental release measures

Methods for cleaning up/taking up: Collect mechanically.

7. Handling and storage

Store in a cool, dry place. No special measures required.

8. Exposure controls/Personal protection

For exposure controls see Chapter 15. Eye protection: goggles
 Respiratory protection: dust-protection mask if the MAK value is exceeded.
 When handling observe the usual precautionary measures for dust-forming products.

9. Physical and chemical properties

		Tested in accordance with
Form	Powdery	
Colour	Red	
Odour	Odourless	
Melting Point	>1000°C	
Density	Approx 4,8 g/cm ³ at 20°C	ISO 787/10
Bulk Density	Approx 1,5 g/cm ³ (± 0,1) at 20°C	DIN 53466
Vapour pressure	Not applicable	
Viscosity	Not applicable	
Solubility in water	Insoluble	
pH value	9 ± 1	ISO 787/9
Flash point	Not applicable	
Ignition temperature	Not applicable	
Explosive limits	Not applicable	

10. Stability and reactivity

Thermal decomposition: No decomposition when used as directed.
 Hazardous decomposition products: Not applicable
 Hazardous reaction: No hazardous reactions observed.

11. Toxicological information

According to the present state of knowledge, Kraft Micaceous Iron Oxide pigments are physiologically harmless; under extreme conditions, however, mechanical action arising from eye contact (action of dust) may cause slight temporary irritation of the mucosa.

12. Ecological information

Water pollution class (WGK): 0 - not generally hazardous to water
 WGK = Classification in accordance with the German Water Resources Act



13. Disposal considerations

May be disposed of in approved landfills provided local regulations are observed. Return large quantities to manufacturer.

14. Transport information

GGVSee/IMDG Code:-- UN No.:-- MFAG: --EmS:-- PG: -- MPO: --

GGVE/GGVS: Class-- No.:-- RID/ADR: Class-- No.:--

Warning sign: Hazard no. 000 Substance no. 0000

ADNR: Class -- No.: -- Cat -- ICAO/IATA-DGR: not registr.

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information:

Not dangerous cargo. Keep separated from foodstuffs.

15. Regulatory information

No labeling is required in accordance with EEC directives. MAK value (fine dust): 6 mg/m³

16. Other information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.