

Kraft Micaceous Iron Oxide MICRO-Series-Data Sheet
(MICRO 30, MICRO 40, MICRO 50)

	MICRO 30	MICRO 40	MICRO 50
Iron-content & (Fe ₂ O ₃ acc. to ISO 1248)	>90	>90	>90
Density g/cm ³ (ISO 787/10)	4, 8	4, 8	4, 8
Bulk density g/cm ³ (DIN 53466)	1, 4	1, 4	1, 7
Loss on ignition % at 800°C	<1, 5	<1, 5	<1, 5
Volatile matter % (ISO 787/2)	<0, 5	<0, 5	<0, 5
pH-value (ISO 787/9)	9	9	9
Oil absorption g/100g (ISO 787/5)	23	23	18
Sieve residue % EN ISO 4610	2 at 32µm	2 at 40µm	2 at 50µm
Content of lamellar particles % (ISO 10601)	90	90	90



Material Data Safety 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 MIOXE MICRO 20, Kraft MIOXE MICRO 30, Kraft MIOXE MICRO 40, Kraft MIOXE MICRO 50

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 A -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	Grey with metallic sheen	
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 MIOXE 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.