

Kraft Micaceous Iron Oxide ME – series (according to ISO 10601)
(ME 63/100, ME 100/200, ME 200/400, ME 400/600)

| Product | ME 63/100 | ME 100/200 | ME 200/400 | ME 400/600 |
|--|-------------------|--------------------|--------------------|-----------------|
| Iron content % (Fe ₂ O ₃ , acc. to ISO 1248) | > 85 | > 85 | > 85 | > 85 |
| Density g/cm ³ (ISO 787/10) | 4, 7 – 4,9 | 4, 7 – 4,9 | 4, 7 – 4,9 | 4, 7 – 4,9 |
| Bulk density g/cm ³ (DIN 53466) | 1, 4 – 1,6 | 1, 4 – 1,6 | 1, 4 – 1,6 | 1, 4 – 1,6 |
| Loss on ignition % at 800°C | <1 | <1 | <1 | <1 |
| Water-soluble matter % (ISO 787/3) | <0,3 | <0,3 | <0,3 | <0,3 |
| pH-value (ISO 787/9) | 8 - 10 | 8 - 10 | 8 - 10 | 8 - 10 |
| Oil absorption g/100g (ISO 787/5) | 17 ± 1 | 16 ± 1 | <15 | <15 |
| Sieve residue, upper cut, EN ISO 4610 | Traces > 100µm | Traces > 200µm | Traces > 400µm | Traces > 600µm |
| Sieve residue, lower cut, EN ISO 4610 | max 10% < 63µm | max 10% < 100µm | max 10% < 200µm | max 10% < 400µm |

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

1. Identification of the substance/preparation and the company

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 Fe_2O_3 CAS No.: 1317-60-8 EINECS No.: 215-275-4
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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 | granules | |
| 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 MIOX 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.