

TECHNICAL DATA SHEET

PRODUCT TRADE NAME

NATURAL IRON OXIDE MICRONIZED

CHEMICAL CLASSIFICATION

SUBSTANCE NAME: Di-iron trioxide, or hematite.

MOLECULAR FORMULA: Fe₂O₃

HS CODE N°: 2821.10

CAS N°: 1309-37-1

EINEC N°: 215-168-2

PHYSICAL DESCRIPTION

100% natural iron oxide -China origin-, no additives.

Powder shape. Natural earth red colour.

Non flammable, non toxic.

Packed in 25 Kg paper bags or big bags of 500, 1.000 and 1.100 Kg, on H.T. pallets.

GRANULOMETRIC DATA

Average particle size d50: 0,9 µm

Particle size d98: 17,6 µm

<30 µm	<20 µm	<15 µm	<10 µm	<5 µm	<1 µm
99.8%	98.7%	96.9%	92.4%	81.2%	52.0%

TECHNICAL DATA

OIL ABSORPTION: 10.2

SPECIFIC GRAVITY: 0.8 gr/cm³ (+/- 5%).

TYPICAL ANALYSIS (Generic Data)

Ferric Oxide (Fe ₂ O ₃)	80/82%
Silica (SiO ₂)	11.00% (+/- 5%)
Calcium Oxide (CaO)	1.40% (+/- 5%)
Aluminium Oxide (Al ₂ O ₃)	2.82% (+/- 5%)
Magnesium Oxide (MgO)	1.49% (+/- 5%)
Potassium Oxide (K ₂ O)	0.86% (+/- 5%)

NB: Oil Absorption and Specific Gravity are only estimated values, to be settled.

HAZAROUS AND DANGEROUS SUBSTANCES INFORMATION

This substance is not classified in the Annex I of Directive 67/548/EEC.

This substance is not listed in the Annex I of Regulation (EC) n° 689/2008 for import and export of dangerous chemicals.

This substance is not listed in a priority list, as foreseen under Council Regulation (EEC) n° 793/93 on the evaluation and control of the risks of existing substances.

R.E.A.CH.: This is a not hazardous substance which occurs in Nature and it is not chemically modified; therefore it is not subject to register, evaluation or authorisation by the European Agency.

RECOMMENDED USES

Our iron oxides can be mainly used in the manufacture of construction industry products such as protective paints, anti-corrosive coatings, anti-fouling, cement, concrete products, roofing tiles, bricks, ceramics, glass, etc.; but also for fertilisers, cattle and poultry feed, etc.

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