



MagnaChem

Ions of iron

LKAB Minerals

MagnaChem

Ions of iron – for chemical applications

MagnaChem is manufactured from our iron oxide magnetite characterised by its black colour, high density and high purity. We process magnetite from our own group resources in the north of Sweden, thus ensuring a long-term reliable source of consistent quality material.

Properties

The high iron content of MagnaChem, plus excellent and consistent chemistry, makes it a suitable material for a wide range of chemical applications.

Depending on customer application, our products offer various benefits and uses:

- MagnaChem can be dissolved using the iron ions.
- MagnaChem can be used as a granular material using the surface properties.
- MagnaChem possesses ferri-magnetic properties which means it is attracted to magnets.
- MagnaChem is a naturally occurring iron oxide which is harmless to the environment, non-toxic in all its forms and one of the few environmentally-friendly materials available.

MagnaChem grades

MagnaChem is available in different grades, in natural state or as dried products. We have also the flexibility to customise products to fulfil your special requirements.

Products are delivered either in bulk or bags by ship, barge or individual truckloads.



Water treatment

MagnaChem is used by the water treatment industry as a source of iron for the production of flocculation chemicals.

Indicative specification

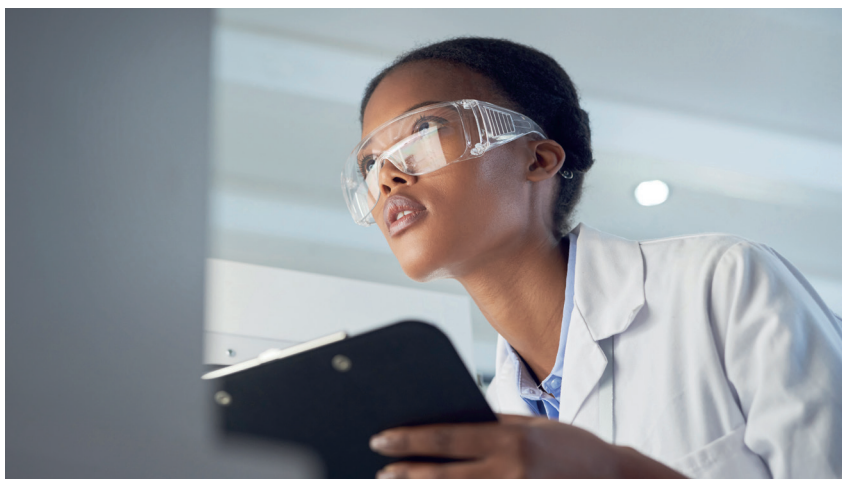
MagnaChem products are renowned for their purity in comparison to other iron oxides. Analysis of trace elements is carried out regularly and is readily available if required. The chemical and physical data are expected average figures for the MagnaChem products:

Chemical composition

Fe	71.4
SiO ₂	0.15
TiO ₂	0.29
Al ₂ O ₃	0.22
MnO	0.05
MgO	0.23
CaO	0.04

Physical properties

Solid density (t/m ³)	5.2
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A pure high quality iron oxide

MagnaChem is tightly controlled to meet the specification and demands from customers.

Application engineering

Our expertise in materials and processes comes from our experienced people working around the world and from our parent company's extensive R&D operations. In close co-operation with our customers, we develop the right products for specific applications.



Across the globe

Deliveries are carried out in bulk or bags by ship, barge or individual truckload to customers throughout the world.

We are leading the transformation of our industry toward a sustainable future.

LKAB Minerals, the international industrial minerals division of LKAB, develops and delivers circular, critical and climate-efficient mineral products. LKAB Minerals has sales representation, offices, production units and deposits in 12 countries in Europe, Asia and the US and employs around 400 people.

LKAB Minerals is part of the Swedish company LKAB, one of the world's leading producers of highly upgraded iron ore products and a major supplier of mineral products for other industrial sectors.

Read more about LKAB Minerals at www.lkabminerals.com



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