



## Hematite

Hematite: iron oxide,  $\text{Fe}_2\text{O}_3$ , is an iron ore containing 30-65% iron. Powdered hematite is used in oil drilling as a weighting agent for drilling muds and cement slurries due to its high density, reaching  $5.2 \text{ kg/dm}^3$ . The addition of hematite to the drilling fluid does not cause significant changes in its rheological parameters.

## Properties

Drilling hematite is supplied as a red-brown powder, insoluble in water and odorless. The product is not biodegradable, but it is non-toxic and harmless to the environment.

Hematite is approved for use in drilling technology by the Department of Environmental Protection of the Oil and Gas Mining Institute in Krakow.

## Safe use

Due to the significant content of the dusty fraction, special care should be taken when working with the product, therefore it is required to wear work clothes, a mask and anti-dust glasses when using hematite.

## Packaging

Hematite is supplied in 1000 kg big bags.