



ArcelorMittal

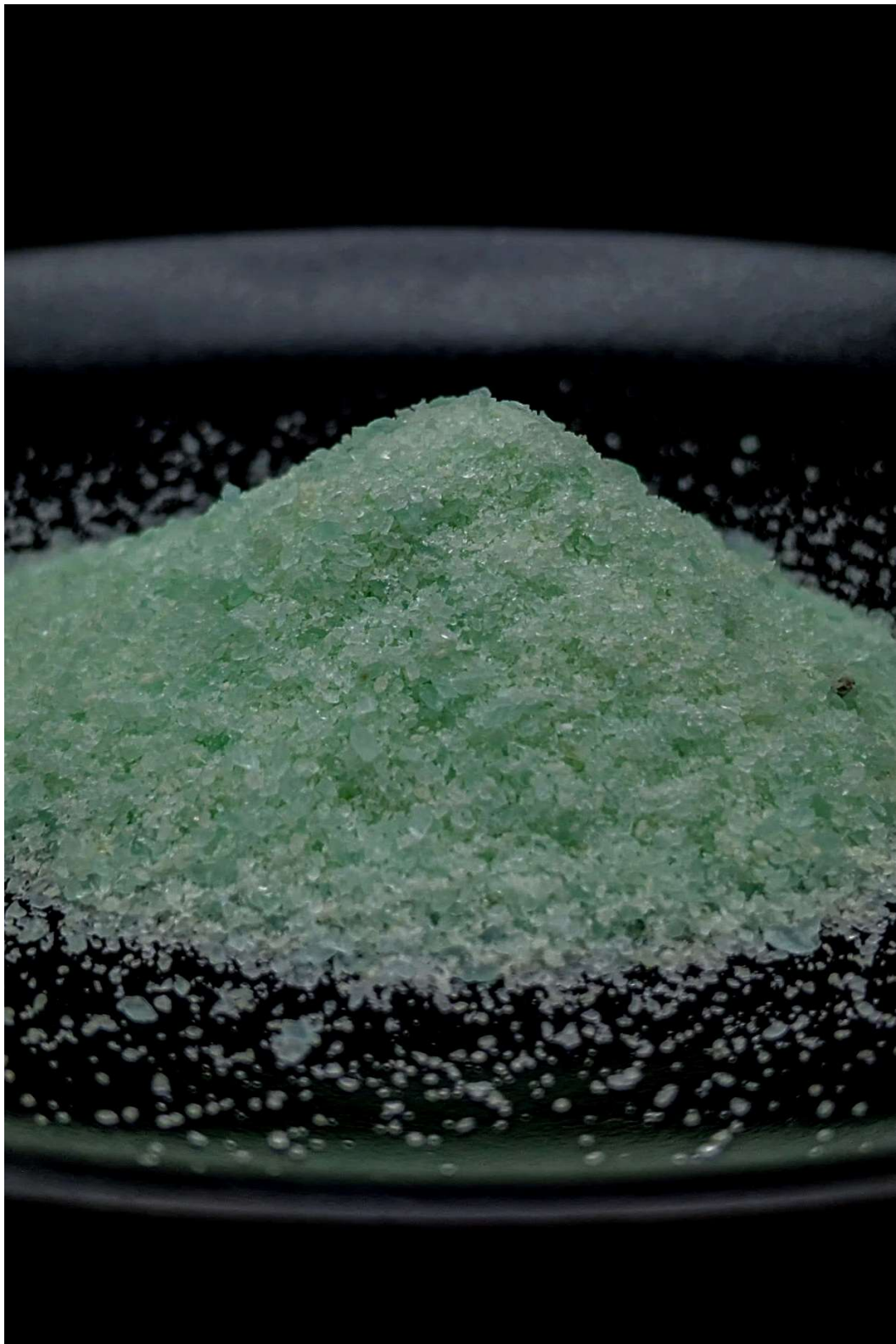
# Regeneration products 2024



## Applications

Diverse industries need our iron sulphates heptahydrate  $\text{FeSO}_4 - 7\text{H}_2\text{O}$ .

One of our major customers is **concrete** industry which uses these product to reduce chromium (VI) in their cements. Iron sulphates enable **water treatment** industry to produce coagulants or flocculants. Iron sulphates are also used in **agriculture** to fertilize fields. The cathodes of LFP (Lithium Iron Phosphate) **batteries** are another bright market for ArcelorMittal iron sulphates.



## ArcelorMittal plants

From France, ArcelorMittal mainly supplies industries in West Europe.



## Technical description

Some steels are treated by a sulphuric acid bath which is then regenerated. This process produces a slightly green powder, the iron sulphate heptahydrate.

State of matter: white crystallized powder, slightly green

pH: 2 at 20 C

Melting temperature : >60 C

Solubility : >100 g/L

Density : 2970 kg/m<sup>3</sup>

Chemical component	AM Florange
Iron oxide	>97%
Manganese oxide	0.14%
Aluminium oxide	0.11%
Calcium oxide	1.8%



# Contact

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