

FERRIC CHLORIDE SOLUTION



HIGH PURITY AND RELIABILITY

Benefiting from a unique production process at Sibanye-Stillwater Sandouville Refinery, our ferric chloride solution is one of the purest ferric chloride solutions in Europe.

Sibanye-Stillwater Sandouville Refinery's ferric chloride solution can be used as a coagulant for sewage treatment and drinking water production, and as an etchant for copper-based metals in printed circuit boards. Sibanye-Stillwater Sandouville Refinery's ferric chloride solution can also be used as a precursor in the production of pigments and as precursor of iron bearing medicine against anemia in the pharmaceutical industry.

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SPECIFICATIONS

	Typical	Guaranteed
FeCl ₃	41 %	40 % +/-2%
Nickel	< 0.020 g/L	< 0.03 g/L
Cobalt	< 0.002 g/L	< 0.005 g/L
Copper	< 0.002 g/L	< 0.005 g/L
Lead	< 0.005 g/L	< 0.01 g/L
Zinc	< 0.010 g/L	< 0.010 g/L
Arsenic	< 0.0002 g/L	< 0.002 g/L
Density	1,45	1,43 - 1,45

REGULATIONS

Sibanye-Stillwater Sandouville Refinery's ferric chloride solution is produced and sold in accordance with the REACH European Regulation (EC N° 1907/2006) and complies with the requirements of the European Union.

ADVANTAGES OF THE SOLUTION

Time and cost saving: using ferric chloride as a solution vs. crystals enables end-users saves lengthy and costly dissolution and filtration equipment and procedures.

No losses and no risk: solution can be added directly into customers' production systems by simple use of appropriate piping, eliminating spill contamination, generation and disposal of waste bags and risks due to the handling of the material.

STANDARD PACKAGING

Truckloads

Ferric chloride solution is sold in bulk by truckloads using tankers with an inner lining of ebonite.

- Useful volume: approx. 17 m³
- Net weight: approx. 24 MT of solution

