

Product Data Sheet

TIG Group 520

Poly ferric Sulphate; $[Fe_2(OH)_n(SO_4)_{3-0.5n}]_m$, $0.5 < n < 1$, $m = f/n$

TIG Group 520 is an inorganic polymeric primary coagulant, widely applied in water purification, industrial water treatment and wastewater treatment. TIG Group 520 has a good coagulation function producing thick flocs with fast sedimentation which is ideally suited to clarifying variable & high turbidity river and waste water.

- Effective across a wide pH range, treating water of pH from 4 to 11, (the optimum pH is 6-9).
- Safe to use doesn't contain harmful substances such as Aluminium, Chlorine and heavy metal ions
- Does not lead to the water phase transference of ferrous ions contaminants
- Effective for colour removal, deodorizing, degreasing, sterilizing as well as removal of heavy metal ions, radioactive substance and carcinogens in the water and the reduction of COD, BOD and macromolecular species

TIG Group 520 application

- TIG Group 520 is typically dosed as a 2% to 5% solution for drinking water and 5% to 10% solution for waste water treatment
- TIG Group 520. is optimised by jar tests and site experience
- TIG Group 520 solution is normal to observe a slight precipitation in the stock solution.

Typical Properties

- Appearance: Yellow-grey powder
Red-brown solution
- pH of 1% solution: 2.0 to 3.0
- iron, %Fe 18.5%
- Water insoluble <0.5wt%

Health and Safety:

TIG Group 520.
A material safety data sheet is available upon request.

Classification:

CHIP Classification: UN Classification:

Material Compatibility:

TIG Group 520 solution..

Packaging and shelf life:

TIG group 520 powder is available in 25 kg pe lined bags.
The shelf life of TIG Group 520 has been assessed at 2 years under typical storage conditions of 10 – 25°C if kept sealed and dry.

Please contact us for further information:

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