



## Controlled Release

# FERRIC-SG

### APPLICATIONS

- **Algae Control**
- **Arsenic Removal**
- **COD Removal**
- **Phosphorus Removal**
- **Ammonia Removal**
- **Coagulation/Flocculation**
- **Color Reduction**
- **Disinfection by-product**
- **H<sub>2</sub>S Removal**
- **Nutrient Removal**
- **Only Waste Separation**
- **Heavy Metals Separation**
- **Sludge Conditioning**
- **Suspended Solids Removal**
- **TOC - Total Organic Removal**
- **COD/BOD Reduction**
- **Waste Water Clarification**
- **Water Clarification**
- **100% Chloramine Reduction**

**BENEFITS**  
High Capacity FERRIC-SG  
is  
**100%**  
Aluminum &  
Copper Free

### FERRIC-SULFATE GRANULES

**Yes-Granular.** Unlike powdered or liquid grades are very dangerous to handle in **small, medium-size and large Wastewater treatment** facilities. The whole world is still using **Aluminum Sulfate.**



**Aluminum sulfate** can be **harmful** over a long period of time for the **environment** as well as the **human health**. Aluminum causes many diseases in human body.

**Why- The Granular** form is ideally suited because it is very easy to handle and also widely suitable for any application from small to large water treatment facilities. Due to the fact that it remains free-flowing during the controlled dosing-controlled feeding in dilution process.

**Ferric Sulfate Granules** is the most efficient flocculant for the treatment of any water treatment with **pH level around 8 or above** and with the combination of **ADSORB<sup>x</sup>** or **ADSORB<sup>3x</sup>**





# FERRIC-SG DESCRIPTION

## MANUFACTURING

**Watch Water®** is using proprietary manufacturing process which is unique to produce very **high-quality Ferric Sulfate Granules**. Beyond the benefit of Ferric, Zeoferric Sulfate consumes very less **Alkalinity** in its application when compared to any traditional coagulant. This means that less bicarbonates are needed to maintain desired alkalinity levels, representing a **POTENTIALLY-SIGNIFICANT** cost-savings. **FERRIC-SG Granules** can have a greater removal capacity and decrease the amounts of sludge, waste concentrates and its weight by nature and high setting velocity are another very huge advantage.

Only **FERRIC-SG** is applicable over a **wide pH range**, which allows for its use in multiple Applications, such as:



Sewage Purification



Waste Water Treatment



Drinking Water Treatment



Industrial Water



Water Reuse Application

## DESCRIPTION

**Watch Water® FERRIC-SG** is a Reddish Green **Granules of Ferric-Iron**, manufactured to strict specifications from **high quality certified materials**. **Watch Water's®** unique manufacturing process renders a **superior ferric-sulfate Granular** that is stable at concentration up to **19.5% Ferric Iron**, because all of the free acid is consumed by **Geopolymerization** of Iron. **Watch Water® FERRIC-SG** is acid free. **FERRIC-SG** is very **effective** as a coagulant in Oily and detergent water clarification. It is excellent for turbidity control and **Best Coagulant** for the removal of color and suspended solids. Excellent for the Removal of Phosphorus, Chromium, Lead especially Arsenic and Selenium and many **Heavy Metals**. **FERRIC-SG** is widely used for sludge dewatering, as well as resulting in sludge volume **reduction up to 60% of its weight**.

### TYPICAL ANALYSIS

|   |               |
|---|---------------|
| Concentration(% Fe <sup>+3</sup> ).....         | 19.5-20%      |
| Specific Gravity 10% (% Fe <sup>+3</sup> )..... | 1.4-1.5       |
| Free Acid.....                                  | Nil           |
| pH.....   | 7.0           |
| Appearance.....                                 | Reddish Green |
| Mesh.....                                       | 1-2mm         |

### Product Shipping

30 kg bag  
40 bags on Pallet  
Big Bags of 1000 kg