



# Technical Data Sheet

## USALCO® Ferric Sulfate Solution Ferric Sulfate Solution 60% (12% Fe<sup>3+</sup>)

*USALCO Ferric Sulfate 50% (IS31220) is an effective liquid ferric sulfate coagulant based on trivalent iron (Fe<sup>3+</sup>). The product is manufactured using a process reacting high purity iron ore with sulfuric acid. Ferric Sulfate Solution functions very well for both potable and wastewater clarification and can be used for turbidity removal, color removal, phosphate removal, heavy metal removal, in lime softening applications as well as for sludge conditioning. Ferric Sulfate Solution can also effectively be used in Hydrogen Sulfide control applications to reduce odor and corrosion.*

### PROPERTIES

|                         |             |
|-------------------------|-------------|
| Appearance              | Dark Liquid |
| Fe (III)                | 12.0 ± 0.5% |
| Fe (II)                 | < 0.20%     |
| Specific Gravity (25°C) | 1.46 ± 0.08 |

### SPECIFICATIONS

|                        |               |
|------------------------|---------------|
| pH                     | < 2.0         |
| Free Acid              | < 0.5%        |
| Water-Insoluble Matter | < 0.1%        |
| Freezing Point         | < -18°C / 0°F |

### PRINCIPAL USES

Drinking water / wastewater treatment – turbidity removal, color removal, phosphate removal, heavy metal removal, in lime softening applications

### CERTIFICATION / APPROVAL

USALCO Ferric Sulfate 60% (IS3120) is NSF/ANSI/CAN Standard 60 certified for use in potable water treatment up to 600 mg/l.

### SAFETY / HANDLING

Observe caution when handling corrosive materials. Please consult the safety data sheet (SDS) for safety and handling precautions.

### DELIVERY

275-gallon IBCs (totes), tank trucks and railcars

### PRODUCTION

USALCO has production facilities in:

- Houston, TX

### CUSTOMER SERVICE

If you have any questions concerning this material, please contact our Inside Sales Department at:

**410-918-2230** or **[info@usalco.com](mailto:info@usalco.com)**