



## FERRIC CHLORIDE (FeCl<sub>3</sub>)

### PRODUCT SPECIFICATIONS:

|                             | TYPE-1                          | TYPE- 2                            | ANALYTICAL METHOD |
|-----------------------------|---------------------------------|------------------------------------|-------------------|
| Purity (FeCl <sub>3</sub> ) | % 41±1 (m/m)                    | %40+ 2 (m/m)                       | Titrimetric       |
| Appearance                  | Dark Brown liquid               | Dark Brown liquid                  | Visual            |
| Density (20°C)              | 1,43±0,03 (gr/cm <sup>3</sup> ) | 1,435 ± 0,05 (gr/cm <sup>3</sup> ) | Densimetry        |
| Manganese (Mn)              | Max. %0,5 (m/m)/Fe(III)         |                                    | FAAS*             |
| Iron (II)                   | Max. % 2,5 (m/m)/Fe(III)        | Max. % 2,5(m/m)/Fe(III)            | Titrimetric       |
| Unsoluble matters           | Max. % 0,2 (m/m)/Fe(III)        |                                    | Gravimetric       |
| Arsenic (As)                | Max. 20 mg/kg Fe(III)           |                                    | AAS**             |
| Cadmium (Cd)                | Max. 1 mg/kg Fe(III)            |                                    | AAS**             |
| Chromium (Cr)               | Max.50 mg/kg Fe(III)            |                                    | AAS**             |
| Mercury (Hg)                | Max.0,3 mg/kg Fe(III)           |                                    | AAS**             |
| Nickel (Ni)                 | Max. 60 mg/kg Fe(III)           |                                    | AAS**             |
| Lead (Pb)                   | Max. 35 mg/kg Fe(III)           |                                    | AAS**             |
| Antimon (Sb)                | Max. 10 mg/kg Fe(III)           |                                    | AAS**             |
| Selenium (Se)               | Max. 10 mg/kg Fe(III)           |                                    | AAS**             |
| pH                          |                                 | <1                                 |                   |

\*FAAS: Flame Atomic Absorption Spectrometer

\*\*AAS: Atomic Absorption Spectrometer

### APPLICATION FIELDS:

- Potable and industrial water treatment
- For manufacturing printed electronic circuits
- Mud conditioning process
- Copper abrasion
- Production of ferrous oxide pigments
- As mordant in textile

### PACKAGING:

Delivered in tankers in bulk form, 65 liters plastic drums or 1000 liters plastic containers.

### STORAGE AND HANDLING:

Tanks manufactured from rubber coated carbon steel or plastic materials such as Polyethylene, Polypropylene, PVC, PTFE and FRP may be used in storage of Ferric 3 Chloride.

### SECURITY PRECAUTIONS:

Wear self contained breathing apparatus and full protective clothing. Avoid breathing vapors or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. In case of contact with skin and eyes rinse lots of running water for at least 30 minutes .

Use water spray to reduce vapors.Restrict access to area until completion of cleanup. Stop leak if you can do so without risk. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

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