

Ferric Chloride

DESCRIPTION

Ferric Chloride is produced by the neutralization of Free Acid in Leach Liquor using Iron Scrap.

After Neutralization it is Chlorinated using Chlorine.

APPLICATIONS

Ferric Chloride used in Effluent Water & Sewage Treatment and the Textile industry.

CHEMICAL NAME & FORMULA

Ferric Chloride Fe Cl₃

INPUT

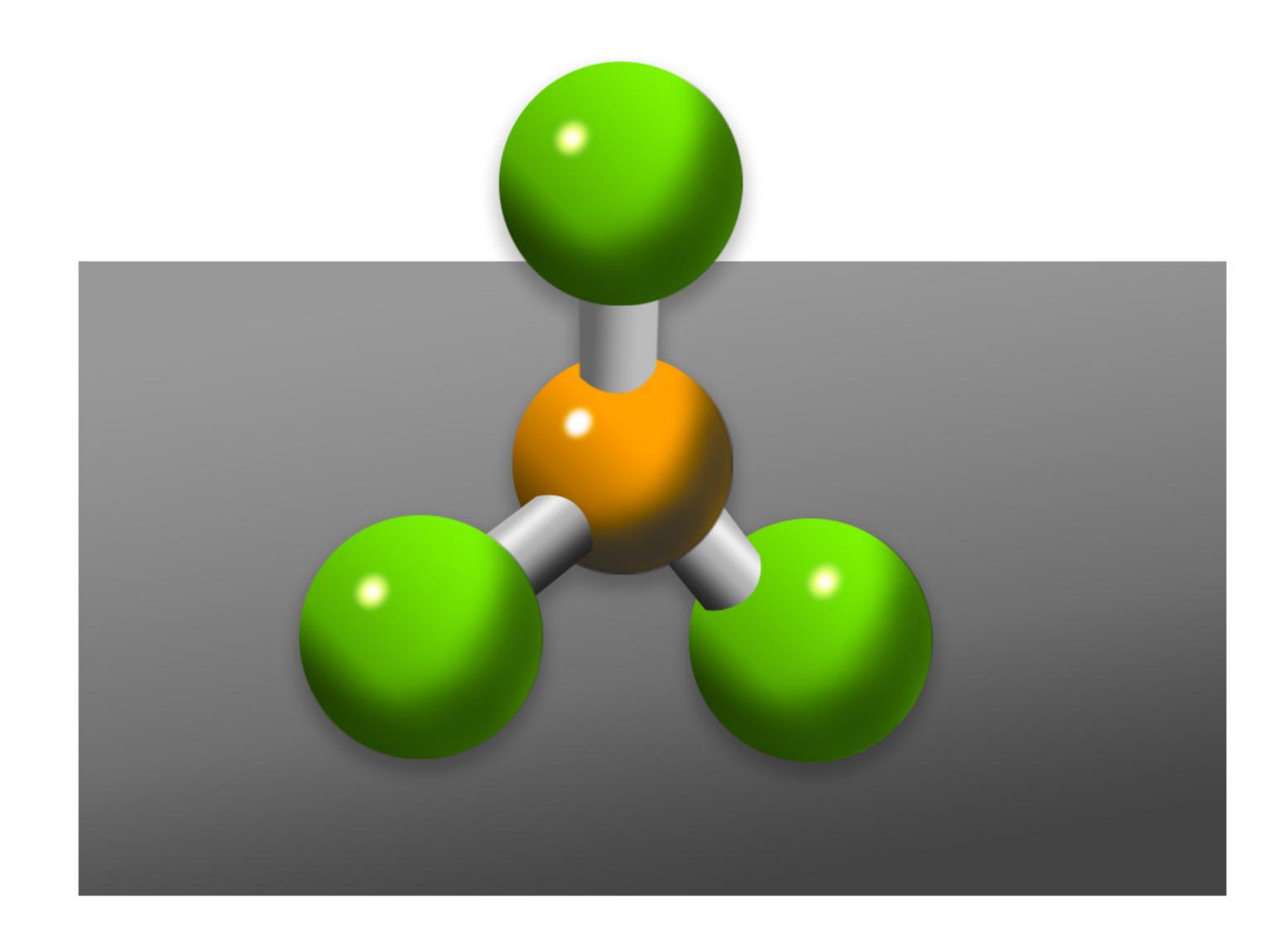
Leach Liquor

CHEMICAL FORMATION

Aqueous Solution

OUTPUT

Ferric Chloride



Product Properties		
Description	Ferric Chloride	
Appearance	Brownish Liquid	
Corrosive	Yes	
Flammability	Not Flammable	
Solubility	Soluble	
Specific Gravity	1.45 at 25°C	

www.DCWLtd.com PG.1/3



Product Specifications

Characteristics	Ferric Chloride
Relative Density at 25 / 25°C	1.45 to 1.48
Ferric chloride (as FeCl ₃) Percent by weight	40 to 43
Free acid (HCI) Percent by weight	0.01 to 0.50
Ferrous salts (as FeCl ₂) Percent by weight	0.10 max.
Insoluble matter Percent by weight	0.05 max.

Related Information

PACKAGING & HANDLING

Material is packed in 280 kg capacity HMHDPE Barrels. It also filled in lorry tankers and transported for sale in domestic market.

TRANSPORT CLASSIFICATION

U.N. No. 2582 IMCO Class 8 - I IMDG Page 8173

PRODUCT USAGES

In Effluent Water & Sewage, Textiles, Etchings, Oxidizing as a Chlorinating and Condensing Agent and for Water Treatment in the Reverse Osmosis Process.



www.DCWLtd.com PG.2/3



Product Safety Data

Hazard Identification Corrosive Class 8 First Aid Measures Eye / Shir: Weah with pienty of water for at least 15 minutes. If irritation persists, get medical attention. Measures For Fire Fighting Not Flammable First Aid Measures In Case Of Unintentional Rolease Cover the spillage with sufficient Sodium Bicarbonate or wash with profuse water. Handling & Storage Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Corrosive to most metals. Herce, packed and stored in Plastics, Rubber or Rubber Gloves and safety boots made of natural or synthetic nables. Exposure Limit & Staff Protection Equipment Use googles or glasses, rubber gloves and safety boots made of natural or synthetic nables. Light brown light without odour. Soluble in water and moderately soulble in reganic solvents like alcohols, accions, eithers, esters, etc. Insoluble in glycefine, ethyl accided, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Information About Waste Disposal Information About Waste Disposal Not specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Shipping Names: Ferric Chloride Solution (Ferric Chlorice 40% solution) Other Information Other Information	Name of Product	Ferric Chloride Solution
First Aid Measures Eye / Skin: Wash with plenty of water for at least 15 minutes. It irritation persists, get medical attention. Measures For Fire Fighting Not Flammable First Aid Measures in Case Of Unintentional Release Cover the spillage with sufficient Sodium Bicarbonate or wash with profuse water. Handling & Storage Corrosive to most metals. Hence, packed and stored in Plastics, Rubber or Corramic containers, HDPE, PF, Rubber bonded metal containers are recommended for both packing and storage. Exposure Limit & Staff Protection Equipment Use goggles or glasses, rubber gloves and safety boots made of natural or synthetic rubber. Physical & Chemical Properties Light brown liquid without odour. Soluble in water and moderately soluble in granic solvants like alcohols, action, either, eithers, esters, etc. Insoluble in glycerine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Intriant to eyes, mouth and throat; vomitting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution)	Composition / Components	Aqueous Solution of min. 40% concentration
Measures For Fire Fighting Not Flammable First Aid Measures In Case Of Unintentional Release Corosive to most metals. Hence, packed and stored in Plastics, Rubber or Ceramic containers. HDPE, PP, Bubber bonded metal containers are recommended for both packing and storage. Exposure Limit & Staff Protection Equipment Use goggles or glasses, rubber gloves and safety boots made of natural or synthetic rubber. Physical & Chemical Properties Light brown liquid without odour, Soluble in water and moderately soluble in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in glycenine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Irritant to eyes, mouth and throat vomitting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Other Information	Hazard Identification	Corrosive Class 8
First Aid Measures In Case Of Unintentional Release Corver the spillage with sufficient Sodium Bicarbonate or wash with profuse water. Handling & Storage Corrosive to most metals. Hence, packed and stored in Plastics, Rubber or Ceramic containers. HDPE, PP, Rubber bonded metal containers are recommended for both packing and storage. Exposure Limit & Staff Protection Equipment Use goggles or glasses, rubber gloves and safety boots made of natural or synthetic rubber. Physical & Chemical Properties Light brown liquid without odour. Soluble in water and moderately soluble in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in glycerine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Irritant to eyes, mouth and throat; vomiting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information	First Aid Measures	
Unintentional Release Or wash with profuse water. Handling & Storage Corrosive to most metals. Hence, packed and stored in Plastics, Rubber or Ceramic containers. HDPE, PP, Rubber bonded metal containers are recommended for both packing and storage. Exposure Limit & Staff Protection Equipment Use goggles or glasses, rubber gloves and safety boots made of natural or synthetic rubber. Physical & Chemical Properties Light brown liquid without odour. Soluble in water and moderately soluble in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in glycerine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Irritant to eyes, mouth and throat; vomiting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582	Measures For Fire Fighting	Not Flammable
Ceramic containers. HDPE, PP, Rubber bonded metal containers are recommended for both packing and storage. Exposure Limit & Staff Protection Equipment Use goggles or glasses, rubber gloves and safety boots made of natural or synthetic rubber. Physical & Chemical Properties Light brown liquid without odour. Soluble in water and moderately soluble in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in glycerine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Irritant to eyes, mouth and throat; vomiting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582		
& Staff Protection Equipment or synthetic rubber. Physical & Chemical Properties Light brown liquid without odour. Soluble in water and moderately soluble in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in glycerine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Irritant to eyes, mouth and throat; vomiting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582	Handling & Storage	Ceramic containers. HDPE, PP, Rubber bonded metal containers are
in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in glycerine, ethyl acetate, etc. An oxidizing and chlorinating agent. Stability & Reactivity Stable. Forms number of adducts and substitution products. Information Of Toxicology Irritant to eyes, mouth and throat; vomiting and gastric haemorrhage and shortness of breath when swallowed. Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582		
Information Of Toxicology Irritant to eyes, mouth and throat; vomiting and gastric haemorrhage and shortness of breath when swallowed. Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582	Physical & Chemical Properties	in organic solvents like alcohols, acetone, ethers, esters, etc. Insoluble in
Information About Waste Disposal Neutralize with Ammonia, Soda Ash or Caustic and wash with profuse water into drain. Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582	Stability & Reactivity	Stable. Forms number of adducts and substitution products.
Information About Transport No specific requirements. Transportable in HDPE barrels and Rubber lined tanks. Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582	Information Of Toxicology	
Statutory Regulatory Information Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution) Other Information Storage Category A U.N.No. 2582	Information About Waste Disposal	
Other Information Storage Category A U.N.No. 2582	Information About Transport	
U.N.No. 2582	Statutory Regulatory Information	Shipping Name: Ferric Chloride solution (Ferric Chloride 40% solution)
	Other Information	U.N.No. 2582

www.**DCWLtd**.com PG.3/3