

Salvi Since 1978

43+

Years of Service



IRON

SUPPLEMENTS



SALVI CHEMICAL
INDUSTRIES LTD.

solid foundations, fresh innovations



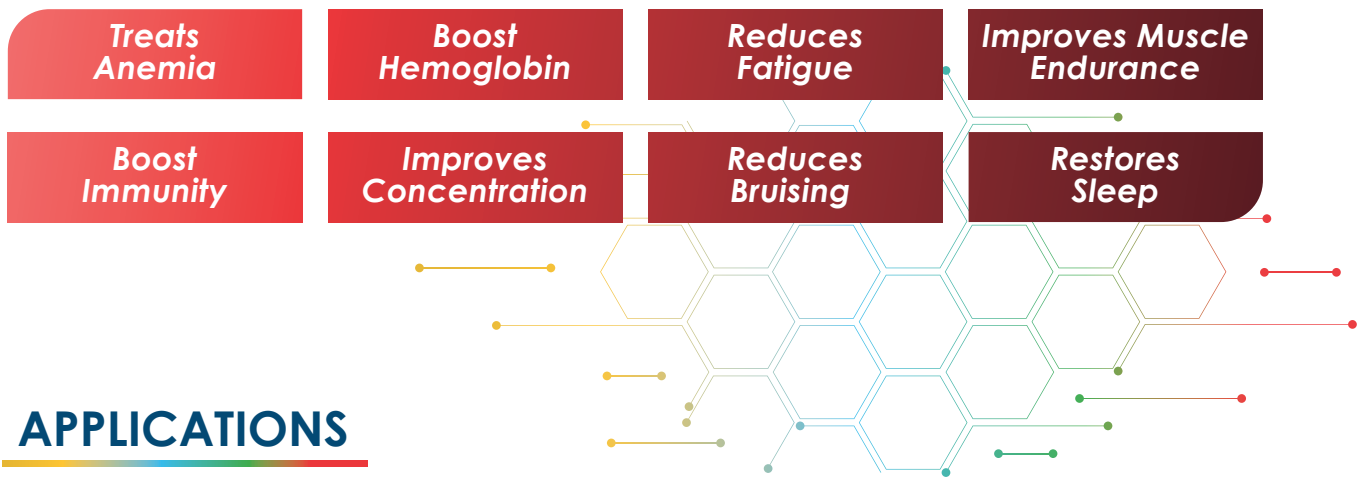
Iron supplements, also known as iron salts and iron pills, are a number of iron formulations used to treat and prevent iron deficiency including iron deficiency anemia. For prevention they are only recommended in those with poor absorption, heavy menstrual periods, pregnancy, hemodialysis, or a diet low in iron.

Prevention may also be used in low birth, weight babies. They are taken by mouth, injection into a vein or required until iron levels return to normal.

HEALTH BENEFITS

Iron is one of the minerals most vital to human health, while all human cells contains iron, it is mostly found in red blood cells. The health benefits of managing iron levels include eliminating fatigue and many of its sources. Iron also plays a vital role in immune system function, treating anemia, boosting hemoglobin and much more.

Other uses of iron supplements include the prevention or treatment of:



APPLICATIONS

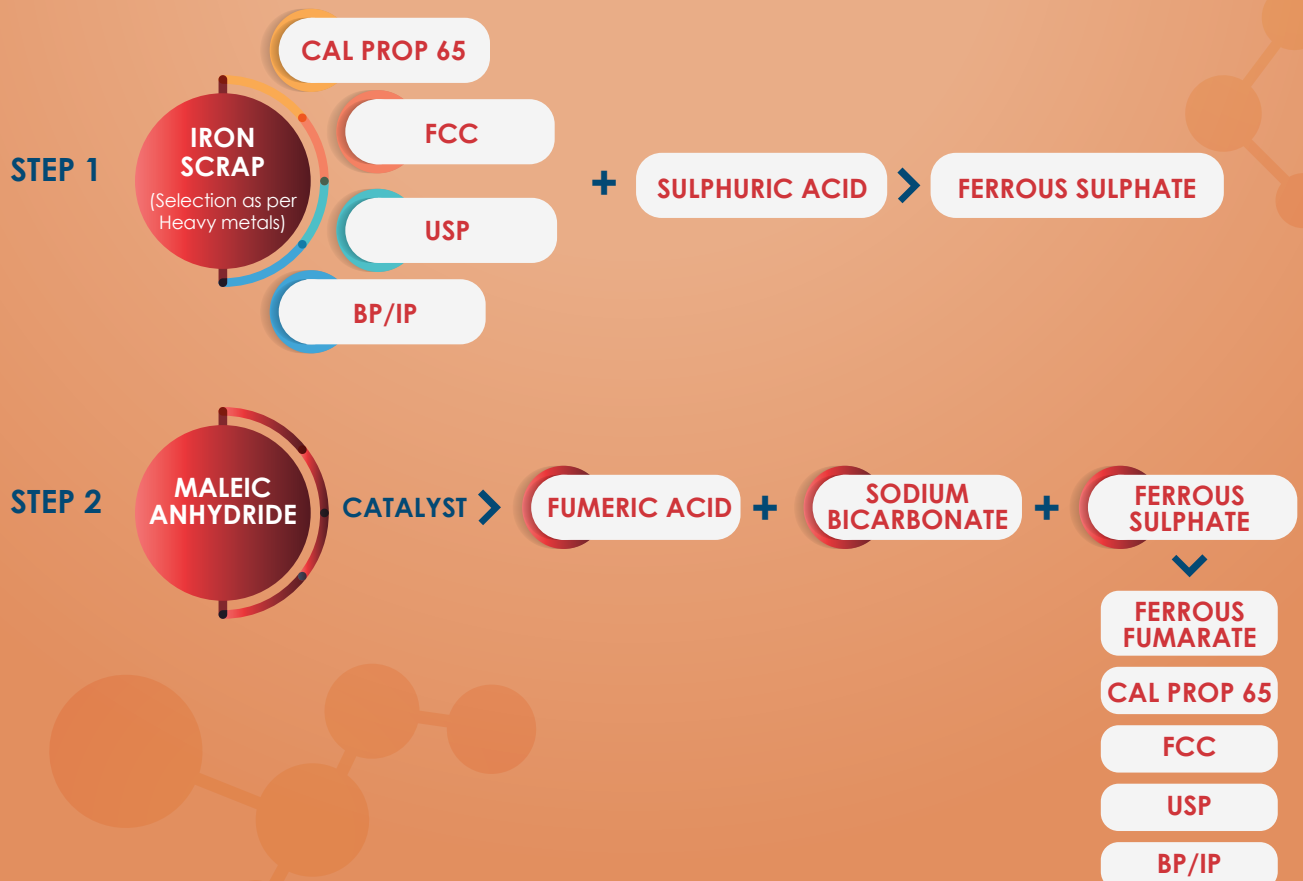




KEY FEATURES

- Salvi Chemical Industries limited (SCIL) is the **WORLD'S LARGEST** manufacturers of **IRON products** across the globe for last **36 years**.
- SCIL is **"One Stop"** for all the Iron Products and having all the required certification, viz., GMP, Kosher, Halal, ISO-22000-2005 (HACCP), ISO-9001-2008, FASSC, FDA, FAMI-QS, REACH (Pre-Register), GAIN Approved.
- **Multiple warehouse** (New Jersey, LA, Texas, fr Dubai)-customer will receive material "Just In Time" (JIT).
- **Multiple products:** - In a single shipment/container, we can provide **"Multiple Products"** to save customer inventory level which in turn saves the cash flow and space.
- **Heavy Metals:** - We are testing all our raw materials and finished goods by Automatic Absorption Spectroscopy (AAS), In-House. Cross verification using external ICP-MS Laboratory.

BRIEF PROCESS OF FERROUS FUMARATE





Ferrous Fumarate Baby Food

Ferrous Fumarate IP

Ferrous Fumarate BP

Ferrous Fumarate USP

Ferrous Fumarate FCC

Ferrous Fumarate Low Lead / Low Chromium

Ferrous Fumarate California 65

Ferrous Fumarate Ultra-Pure

Ferrous Fumarate Feed Grade

Ferrous Fumarate / Dark / Brown / Reddish Orange

Ferrous Fumarate Micronized 12 μm / 44 μm / 74 μm / 149 μm

Ferrous Fumarate DC 60% / 90% / 95%

Ferrous Fumarate Encapsulated 60% Red Powder

Ferrous Fumarate Encapsulated 60% White Granules





Ferric Pyrophosphate Baby Food

Ferric Pyrophosphate 20%

Ferric Pyrophosphate 24%-26% Yellow / White

Ferric Pyrophosphate Yellow / White / Brown

Ferric Pyrophosphate Encapsulated 20% Yellow / White

Ferric Pyrophosphate Micronized 5/10

Ferric Pyrophosphate Low lead

Ferric Pyrophosphate Heavy/ Light

Ferric Ortho Phosphate Baby Food

Ferric Ortho Phosphate 26 %-28 %

Ferric Ortho Phosphate Light/Heavy

Ferric Ortho Phosphate Low Lead

Ferric Ortho Phosphate White/Pink

Sodium Iron EDTA FCC

Sodium Iron EDTA Low Lead

Sodium Iron EDTA Light Yellow

Sodium Iron EDTA Dark Olive



Ferrous Sulphate Dried Powder 30% / 32%

Ferrous Sulphate Encapsulated 60%

Ferrous Sulphate Dried Low Lead

Ferrous Sulphate DC 60% / 85% / 90%

Ferrous Sulphate Hepta 18%

Electrolytic Iron Powder 100 / 200 / 325 Mesh

Reduced Iron Powder 100 / 200 / 325 Mesh

Carbonyl Iron Powder 100 / 500 Mesh

Ferrous Gluconate BP / USP / FCC

Ferrous Ascorbate

Ferrous Bis Glycinate

Ferrous Glycine Sulphate 10% / 15% / 20% / 23-26%

Ferrous Calcium Citrate

Iron Polymaltose

Iron Sucrose



FERROUS FUMARATE

	BP	USP	FCC	CA PROP 65/ ULTRA LOW LEAD	BABY FOOD
DESCRIPTION	REDDISH BROWN TO REDDISH ORANGE				
Assay (ODB)	93 % to 101 %	97 % to 101 %	97 % to 101 %	97 % to 101 %	97 % to 101 %
Sulphate	0.20 %	0.20 %	0.20 %	0.20 %	0.20 %
Ferric Iron	2.00 %	2.00 %	2.00 %	2.00 %	2.00 %
Loss on Drying	1.00 %	1.50 %	1.50 %	1.50 %	1.50 %
Arsenic	0.5 ppm	3 ppm		3 ppm	1 ppm
Lead	20 ppm	10 ppm	2 ppm	0.456 ppm	2 ppm
Cadmium	10 ppm	-			
Chromium	200 ppm	-		50 ppm	
Zinc	500 ppm	-			
Nickel	200 ppm	-			
Mercury	1 ppm	3 ppm	3 ppm	3 ppm	0.2 ppm
Aluminium	-	-			100 ppm
Manganese	-	-			400 ppm
Partical Size	100/150/200/325				

FERRIC PYROPHOSPHATE
FERRIC ORTHOPHOSPHATE

	FCC	IN HOUSE	IN HOUSE	BABY FOOD	FCC	LOW LEAD
DESCRIPTION	BUFF COLOUR, YELLOWISH WHITE, LIGHT & HEAVY				WHITE, PINK, LIGHT & HEAVY	
Assay (Fe Content)	24 % to 26 %	24 % to 26 %	20 % to 26 %	24 % to 26 %	26 % to 32%	26 % to 32%
Loss on ignition	20.00 %	20.00 %	20.00 %	20.00 %	32.50 %	32.50 %
Arsenic	3 ppm	3 ppm	3 ppm		3 ppm	3 ppm
Lead	4 ppm	4 ppm	10 ppm	0.5 ppm	4 ppm	0.5 ppm
Mercury	3 ppm	3 ppm	3 ppm		3 ppm	3 ppm
Aluminium				100 ppm		
Chromium				400 ppm		
Partical Size	60/80/325/500/5 Micron					
Total Bacterial Count		1000 cfu/g				
Yeast & Mould		100 cfu/g				
Coliform		10 cfu/g				
Pathogen		Should be Absent				

DRIED FERROUS SULPHATE

	BP	USP	FCC	LOW LEAD	LOW MANAGANESE	HEPTAHYDRATE (7H2O)
DESCRIPTION	GREYISH WHITE TO BUFF COLOUR					
Assay	86.0 % to 90.0 %	86.0 % to 90.0 %	86.0 % to 90.0 %	86.0 % to 90.0 %	86.0 % to 90.0 %	99.5 % to 104.5 %
Insoluble Substance		0.05 %	0.05 %	0.05 %	0.05 %	
pH	3.0 to 4.0					About 3.7
Ferric Iron	0.50 %			0.50 %	0.50 %	0.30 %
Lead			2 ppm	0.45 ppm	2 ppm	2 ppm
Arsenic		3 ppm		3 ppm	3 ppm	3 ppm
Mercury		3 ppm		3 ppm	1 ppm	1 ppm
Chloride	300 ppm			300 ppm	300 ppm	200 ppm
Chromium	100 ppm			10 ppm	10 ppm	3 ppm
Manganese	1000 ppm				700 ppm	300 ppm
Zinc	100 ppm					
Nickel	100 ppm					
Aluminium					100 ppm	50 ppm
Copper	50 ppm					
Mesh Size	100, 150, 200					



IRON PRODUCTS

APPLICATION, COST AND BIO AVAILABILITY

PRODUCTS	APPLICATION	FE CONTENT (% FE)	COST (5/KG)	COLOUR	RELATIVE BIOAVAILABILITY
Ferrous Fumarate	Food and Feed premix, Treat Iron Deficiency, Haematinic Supplement, Flour And Degermed Corn And Corn Masa Flour Encapsulation, CoCoo Products, Salt Fortification	33	4.0	Reddish Brown	100 %
Ferrous Sulfate	Reducing agent, Dietary Supplement, Food and Feed Fortification, Low Extraction (White Wheat), Encapsulation, Pasta , Cereals, Salts, Dry Milk	32	1.6	Yellowish White	100 %
Ferric Orthophosphate	Food Fortification, Nutritional Supplement, Used to kill slugs and snail	28	7.50	Yellowish White	25-32 %
Ferric Pyrophosphate	Fortify Infant Cereals And Chocolate Drink Powder , Rice Fortification	25	7.50	Yellowish White	21-74 %
Reduced Iron	Reducing agent, Welding Electrodes, Food Enrichment	97	2.75	Blackish Grey	13-148 %
Electrolytic Iron	Reducing agent, Flour Fortification, Cereal Fortification, Breakfast cereals, Mineral supplements	98	3.50	Blackish Grey	75%
Iron EDTA	Iron Fortification, Food Fortification, Fish Sauce, Soy Sauce, High extraction wheat Wheat Flour	13	8.0	Light Yellow to Yellowish Brown	>100 c
Ferrous Bisglycinate	Food Fortification, Dietary Supplement	20	12.0	Grey green	89 %
Ferrous Gluconate	Iron supplement	11.0-12.8	9.0	Greyish yellow	





MANUFACTURING CAPACITY

PRODUCTS	INSTALLED CAPACITY/PA/MT	MFG, CAPACITY /PA/MT
FERROUS FUMARATE	4000	2400
FERROUS SULFATE 7H2O	8000	4000
FERROUS SULFATE DRIED	3000	2000
FERRIC PYROPHOSPHATE	600	240
FERRIC ORTHO PHOSPHATE	600	200
IRON EDTA (SODIUM)	400	25
ELECTROLYTIC IRON POWDER	300	240
REDUCED IRON POWDER	200	50
IRON SUCROSE	02	0.01
FERROUS GLYCINE SULPHATE	200	30
FERROUS GLUCONATE	50	8

PRODUCT MODIFICATION AS PER CUSTOMER REQUIREMENT

PHYSICAL PROPERTIES	CHEMICAL PROPERTIES	PACKING
COLOUR	PURITY	PAPER BAGS
MILLING	SOLUBILITY	FIBRE DRUMS
PULVERISING	pH VALUE	HDPE DRUMS
MICRONISING		JUMBO BAGS
SIEVING		BOXES
GRANULATION		PALLETIZATION
COMPACTION		VACUUMIZED
VARIOUS BULK DENSITY		
FLOW ABILITY		

IRON SUPPLEMENTS

VARIOUS CERTIFICATIONS



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