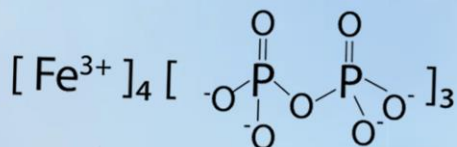


# LIPOSOMAL IRON



## PRODUCT IN FOCUS

**EXSYN**<sup>®</sup>  
ESSENTIAL CHEMISTRY

## Liposomal Iron

### INTRODUCTION

Liposomal iron involves encapsulating iron molecules within lipid bilayers. This encapsulation protects the iron from interactions with other compounds, enhance its stability, improve its bioavailability and low incidence of side effects.

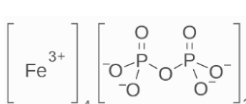
### Manufacture

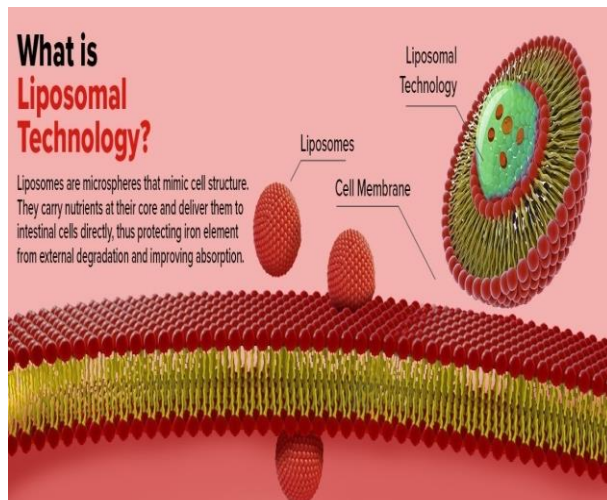
Liposomal Ferric Pyrophosphate insoluble is coated first with an inert material. This creates a protective layer over the API, which inhibits any further interaction with other ingredients. Further Lecithin coating is performed to prepare the Liposomal Iron.

### APPLICATIONS

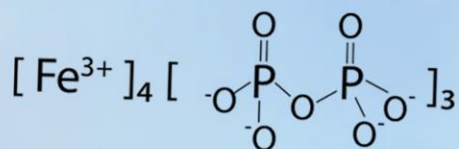
Liposomal iron is an ideal API / FINE CHEMICALS / NUTRACEUTICAL for a wide range of iron-based medications, as it offers several advantages over traditional iron supplements:

- ✔ Treatment of Iron deficiency Anemia and inflammatory Bowl disease.
- ✔ Treatment of Celiac disease.
- ✔ Pregnancy and Postpartum care.
- ✔ Pediatric uses.
- ✔ Daily supplement - Liposomal iron is available and the suggested dose is 30 mg/day for 8 to 12 weeks, depending on the conditions.

<b>Synonym</b>	Ferric pyrophosphate
<b>CAS no.</b>	10058-44-3
<b>EINECS no.</b>	233-190-0
<b>Molecular formula</b>	$Fe_4(P_2O_7)_3$
<b>Molecular weight</b>	745.21 g/mol
<b>Structure</b>	



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### SPECIFICATIONS

Test	Unit	Specification
Description	-	White yellowish powder
Odour	-	Characteristic
Apparent Density	g/ml	0.4 - 0.6
Moisture	%	< 14.0
Iron content	mg/gm	78 – 90
Arsenic	ppm	NMT 1.0
Mercury	ppm	NMT 1.0
Lead	ppm	NMT 1.0
Cadmium	ppm	< 0.5
<u>Microbial tests:</u>		
Total aerobic microbial count	cfu/gm	< 10000
Total yeast and mould count	cfu/gm	< 300
<i>Staphylococcus Aureus</i>	per 0.1 gm	Absent
<i>Escherichia Coli</i>	per gm	Absent
<i>Enterobacteriaceae</i>	per 0.1 gm	Absent
<i>Salmonella</i>	per 30 gm	Absent

### PACKING

25 kg HDPE drums

### STORAGE

Store in original container, protected from direct sunlight.

### LIPOSOMAL

Calcium, Magnesium, Zinc also available with ExSyn.

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.