



**WEST BENGAL CHEMICAL INDUSTRIES LIMITED**

**145/1, Jessore Road, Lake Town,**

**Kolkata – 700 089, India.**

**Phone: +9133 4025 1700 Fax: +9133 2574 7410**

**Email: [webcil@webcil.com](mailto:webcil@webcil.com)**

**Website: [www.webcil.com](http://www.webcil.com)**

## Section 1 - Chemical Product and Company Identification

**MSDS Name:** Ferrous Asparto Glycinate

**Product Code:** FAGNL20

**Company Identification:**

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## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Molecular Weight	Molecular Formula	% wt
Ferrous Asparto Glycinate	404-84-4	262.00 g/mol	C <sub>6</sub> H <sub>10</sub> FeN <sub>2</sub> O <sub>6</sub>	100

## Section 3 - Hazards Identification

INHALATION	:	May cause respiratory irritation if inhaled as a dust.
INGESTION	:	May cause gastrointestinal discomfort (nausea, vomiting, or diarrhea) if ingested in large quantities.
SKIN CONTACT	:	May cause mild irritation in sensitive individuals.
EYE CONTACT	:	Dust or powder may cause irritation to eyes.
CHRONIC EXPOSURE	:	Prolonged excessive intake of iron supplements may result in iron overload, leading to conditions like hemochromatosis.

## Section 4 - First Aid Measures

INHALATION	:	Move exposed person to fresh air. If not breathing, seek immediate medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel and seek medical attention.
INGESTION	:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention.
SKIN CONTACT	:	Remove contaminated clothing and shoes and immediately flush skin with plenty of water for at least 15 minutes. Wash clothing before reuse.
EYE CONTACT	:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes.



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### **Section 5 - Fire-Fighting Measures**

HAZARDOUS COMBUSTION PRODUCTS	:	Decomposition products may include oxides of carbon and iron.
FIRE	:	Not considered a fire hazard.
EXPLOSION	:	Not considered an explosion hazard.
FIRE EXTINGUISHING MEDIA	:	Use fire-extinguishing media appropriate to the surrounding fire.
SPECIAL INFORMATION	:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

### **Section 6 - Accidental Release Measures**

SPILL CONTROL & RECOVERY	:	Wear appropriate personal protective equipment as specified in Section 8. Clean up spills in a manner that does not dispersedust into the air. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container
DISPOSAL	:	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### **Section 7 - Handling and Storage**

HANDLING	:	Avoid contact with eyes. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or anapproved alternative made from a compatible material, kept tightly closed when not in use.
STORAGE	:	Store in accordance with local regulations. Store in original container, protected from direct sunlight. Keep container tightlyclosed and sealed until ready for use



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### Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS	:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne. Contaminants below the exposure limit.
PERSONAL PROTECTION	:	Safety glasses, Lab Coat, Dust respirator, Be sure to use an approved / certified respirator or equivalent, Gloves.
PERSONAL PROTECTION INCASE OF A LARGE SPILL	:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
EXPOSURE LIMITS	:	Consult local authorities for acceptable exposure limits.

### Section 9 - Physical and Chemical Properties

#### Appearance Form

Form	:	Light brown free flowing powder occasional friable lumps
Color	:	Light brown.
Odour	:	Odourless
Solubility	:	Partially Soluble in water.
pH (1.0% w/v)	:	3.0 – 5.0
Molecular Weight	:	262.00 g/mol

9.2 Other safety information: No data available

### Section 10 - Stability and Reactivity

Stability	:	The product is stable at normal conditions.
Instability Temperature	:	Not available
Conditions of Instability	:	Not available
Incompatibility with various substances	:	Excessive heat, Moisture/Humidity, Strong acids or bases, Oxidizing agents incompatible with strong acids, strong bases, oxidizing agents, reducing agents, moisture, air, and certain metallic salts
Corrosivity	:	Non corrosive in presence of glass.
Special remarks on Reactivity	:	Not available
Special remarks on Corrosivity	:	Not available
Polymerization	:	Will not occur.



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### **Section 11 - Toxicological Information**

Routes of Entry	: Inhalation, Ingestion
Toxicity to Animals	: Exhibits low acute toxicity to animals but may cause gastrointestinal irritation or iron overload with excessive ingestion.
Chronic Effects on Humans	: May lead to iron overload conditions, such as hemochromatosis, with prolonged excessive intake.
Other Toxic Effects on Humans	: Not Available
Special Remarks on Toxicity to Animals	: Not Available
Special Remarks on Chronic Effects on Humans	: Not Available
Special Remarks on other Toxic Effects on Humans	: Not Available

### **Section 12 - Ecological Information**

ECOTOXICITY	: No significant ecotoxicity under normal use
BOD 5 and COD	: Not Available
PRODUCTS of BIODEGRADATION	: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
TOXICITY OF THE PRODUCTS OF BIODEGRADATION	: The Product itself and its products of degradation are not toxic.
SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION.	: Not Available

### **Section 13 - Disposal Considerations**

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### **Section 14 - Transport Information**

D O T Classification	: Not a DOT controlled material
Identification	: Not applicable.
Special Provision for Transport	: Not applicable
I A T A Classification	: This is non-dangerous and non-hazardous item as per current IATA DGR.



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### Section 15 - Regulatory Information

FEDERAL AND STATE : No information available.

REGULATION

OTHER REGULATIONS : No information available.

### Section 16 - Other Information

**Disclaimer:** This material safety data sheet is provided as an information resource only. WEST BENGAL CHEMICAL INDUSTRIES LIMITED believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

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