

Name: Ferric Ammonium Citrate Green**SDS No: CHM102 Date: 02/27/15****1. Chemical, Product and Company Identification****Product Name:** Ferric Ammonium Citrate Green**Catalog Codes:** N/A**CAS#:** 1185-57-5**RTECS:** N/A**TSCA:** N/A**CI#:** N/A**Synonym:** Annomium Ferric Citrate ; Iron Ammonium Citrate ; Ammonium Iron (III) citrate ; 2-Hydroxypropane-1,2,3-tricarboxylate, ammonium iron (3+)salt**Chemical Name:** ferric ammonium citrate**Chemical Formula:** C₆H₁₀FeNO₆**Contact Information:****Rupert Gibbon & Spider**

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CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887**For non-emergency assistance, call:** 800-442-0455**2. Composition and Information on Ingredients****Composition:**

Name	CAS #	% by Weight
Ferric Ammonium Citrate	1185-57-5	100

Toxicological Data on Ingredients: Category: Anti Anemic: Hematinic.**3. Hazards Identification****Routes of Entry:** Eye, ingestion, inhalation, skin contact.**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.**Potential Chronic Health Effects:** Slightly hazardous in case of skin contact (irritant).**Signs and Symptoms of Exposure:** N/A**Medical Conditions Aggravated:** Repeated or prolonged exposure is not known to aggravate medical condition.**Carcinogenic:** Not available.**Mutagenic effects:** Not available..**Teratogenic effects:** Not available.**Developmental toxicity:** Not available.**4. First Aid Measures****Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.**Serious Ingestion:** Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Skin Contact: Wash with soap and water. Cover the irritated skin with emollient. Cold water may be used. Seek immediate medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available. **Flammable**

Limits: Not available.. **Products of**

Combustion: Not available.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of open flames and sparks of heat.

Explosion Hazards in Presence of Various Substances: Slightly explosive in presence of heat.

Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Toxic oxides of nitrogen or ammonia gas may be formed in fires.

Special Remarks on Explosion Hazards: Containers may explode when heated.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Sensitive to light. Store in light resistant containers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Not available.

Personal Protection: Safety glasses. Lab coat. Be sure to use an approved/certified respirator or equivalent gloves.

Personal Protection in Case of a Large Spill: Splash goggles. 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: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Green deliquescent scales, granules or powder.

Taste: Saline, mild ferruginous taste.

Molecular Weight: Not available.

Color: Green

pH (1% soln/water): Not available.

Boiling Point: Not available.
Melting Point: Not available.
Critical Temperature: Not available.
Specific Gravity: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Volatility: Not available.
Odor Threshold: Not available.
Water/Oil Dist. Coeff.: Not available.
Ionicity (in Water): Not available.
Dispersion Properties: Not available.
Solubility: Soluble in 0.5 parts of water and insoluble in alcohol.

Section 10: Stability and Reactivity Data

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Excess heat, light, incompatible materials.
Incompatibility with various substances: Not available.
Corrosivity: Not available.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.
Toxicity to Animals: LD50 (Rat): 2000 mg/kg
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
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: Acute Potential Health Effects: Skin: May cause skin irritation or rash particularly with moist skin. Eyes: May cause eye irritation with redness, tearing and abrasion. Inhalation: Inhalation of high concentrations of dust may cause nasal, throat or lung irritation. Symptoms may include coughing and wheezing. Ingestion: May cause gastrointestinal tract irritation with hyper motility, diarrhea. Chronic Potential Health: Eyes: Prolonged eye contact may cause a brownish discoloration of the eyes. Skin: Prolonged skin contact may cause skin irritation.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 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

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information**DOT Classification:** Not a DOT controlled material.**Identification:** Not applicable.**Special Provisions for Transport:** Not applicable.**Section 15: Other Regulatory Information****Federal and State Regulations:** TSCA 8(b) inventory: Potassium ferricyanide.**Other Regulations:** EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.**Other Classifications:** Not available.**WHMIS (Canada):** Not available.**DSCL (EEC):** Not available.**Health Hazard:** 1**Fire Hazard:** 1**Reactivity:** 0**Personal Protection:** E**National Fire Protection Association (U.S.A.):****Health:** 1**Flammability:** 1**Reactivity:** 0**Specific hazard:** Not available.**Protective Equipment:** Not available.**Section 16: Other Information**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.



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