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SECTION 1: IDENTIFICATION

Effective Date: 4/30/91
Product Name: FERROUS GLUCONATE
Common Name: ferrous gluconate dihydrate, iron gluconate
Chemical Formula: C₁₂H₂₂O₁₄Fe · 2H₂O
CAS No.: 299-29-6

SECTION 2: HAZARDOUS INGREDIENTS:

Inhalation of high concentrations for dust may cause nasal or lung irritation.
Ingestion can produce gastrointestinal irritation. The acute LD₅₀ in rats is 4.6 per kg of body weight.
Contact with skin may cause irritation or rash, particularly with moist skin.
Eye contact may cause redness, tearing, possible abrasion can occur.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	pale greenish, yellow powder
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Solubility in water:(by weight)	8.5g in 100 H ₂ O @ 20°C
Melting Point:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flammable limit:	Fire is possible at elevated temperatures or by contact with an ignition source.
Extinguishing Media:	water fog, carbon dioxide, dry chemicals
Fire Fighting Procedures:	In event of a fire, wear full protective clothing and approved self contained breathing apparatus with full piece
NIOSH face	
Unusual Fire and Explosion Hazards:	Not considered to be an explosion hazard

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Incompatibilities:	oxidizing agents
Hazardous Decomposition or byproducts:	carbon monoxide, carbon dioxide
Hazardous Polymerization:	this substance does not polymerize

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):	not established
Permissible Exposure Limit:	
Toxicity:	none found. Material is generally recognized as safe for use in foods.

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Sweep, scoop, or pick up spilled material. Collected waste may be transferred to a preferably plastic, container, and sent to an approved waste disposal facility. Ensure compliance with local, state and federal

regulations.

SECTION 8: FIRST AID PROCEDURES**First Aid:**

Eyes: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin: Remove any contaminated clothing. Wash skin with plenty of water. If irritation develops, get medical attention.

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to dilute. If large amounts were swallowed, get medical advice.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep in tightly closed container, stored in cool, dry, ventilated area. Protect against physical damage.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solution is possible

Protective Gloves: yes

Respiratory Protection: where exposure to dust is apparent, a dust/mist respirator may be worn.

Other Protective Gear: clean body covering

SECTION 11: TRANSPORT INFORMATION

DOT classification: not regulated

DOT pictograph: