1. Chemical product and company identification
   Product Name: Monsel’s Solution
   Premier Dental Products Company
   1710 Romano Drive
   Plymouth Meeting, PA 19462
   PH: 610-239-6000   FAX 610-239-6171

2. Composition / Information on Ingredients
   Hazardous ingredients: None
   Chemical Name: CAS Number: OSHA PEL ACGIH TLV Composition % (optional)
   Ferric Subsulfate hydrate 20–22%
   Thickeners 20–30%
   Bactericidal (Benzalkonium Chloride) 0.005%
   Dist. Water
   LD50/LC50: N/A

3. Hazards Identification
   Health Hazards (Acute and Chronic):
   Ingestion: May cause discomfort/diarrhea or stomach distress
   Eye Contact: May cause irritation and redness
   Inhalation: May irritate the upper respiratory tract and mucus membranes
   Skin: Prolonged contact may irritate skin and cause redness to occur
   Signs and Symptoms of Exposure:
   Ingestion: Burning or irritation to mouth and esophagus, stomach pain or discomfort
   Eye Contact: Burning, irritation and redness of eyes
   Skin Contact: Irritation and redness
   Inhalation: Sneezing, irritation to nose/throat.

4. First Aid Measures
   Emergency and First Aid Procedures:
   Skin contact: Wash thoroughly with tap water
   Eye contact: Flush immediately with water for at least 15 minutes. Seek medical attention if irritation persists. Flush eyes with cold water with eye lids opened until burning and irritation has subsided.
   Ingestion: Do Not Induce Vomiting. Never administer anything by mouth to an unconscious person. If conscious, drink large quantities of lemon water or lemon-lime soda and seek medical attention immediately.
   Inhalation: Remove to fresh air. If having difficulty breathing, contact emergency personnel immediately.

5. Fire-Fighting Measures
   Flash Point (Method Used): N/A
   Explosive Limits: LEL: N/A   UEL: N/A
   Extinguishing Media: Any type
   Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective equipment.
   Unusual Fire Hazards: None
   Stability: Unstable: Stable: As indicated on vial label
   Conditions to Avoid: None known
   Incompatibility (Materials to Avoid): Avoid oxidizing/bleaching agents and acids. Avoid contact with bare aluminum metal or foil. Irritating gas may be produced when contacting bare aluminum.
Premier Dental Products Company

**Hazardous Decomposition/By Products:** None established
**Hazardous Polymerization:** May Occur: Will Not Occur: X  Conditions to Avoid: None

6. Accidental Release Measures

**Personal Precautions:** None
**Environmental Precautions:** None
**Clean-up Procedures:** Sweep/shovel to container for future disposal. Wash area with plenty water.

7. Handling and Storage

**Handling Requirements:** Keep out of reach of children and non-technical personnel.

**Storage Conditions:** Do not store in aluminum, carbon steel, copper, copper alloys, zinc or nickel containers. Store at room temperature in amber glass vial in a cool, dry and dark place (cabinet). Do not expose to heat or sunlight.

**Suitable Packaging:** Amber glass or PET (optional) containers. Do not store in metal containers.

8. Exposure Controls / Personal Protection

**Respiratory Protection (Specify Type):** None
**Ventilation:** Local Exhaust: X  Special: Mechanical (General): Other:
**Hand Protection:** Protective medical gloves recommended
**Eye Protection:** Safety glasses recommended
**Skin Protection:** General work/lab wear

9. Physical and Chemical Properties

**Boiling Point:** N/A
**Vapor Pressure (mmHg):** N/A
**Vapor Density (Air-1):** N/A
**Order Threshold:** N/A
**Coefficient of Water/Oil Distribution:** N/A
**Scooped Density:** N/A
**Appearance and Odor:** Orange or light brown semi-liquid material. When drying or dry, a yellow solution/ granules. Light metallic/acidic odor.
**Specific Gravity (H2O=1):** 1.5
**Percent Volatile by Volume (%):** N/A
**Evaporation Rate (nBuOAc-1):** N/D
**Freezing Point:** < Not applicable
**pH (1% solution):** 2.3 – 3.2 at room temperature diluted
**Solubility in Water:** completely miscible
**Reserve Alkalinity:** Acidic in nature

10. Stability and Reactivity

**Possible Hazardous Reactions/Conditions:** None known
**Conditions to Avoid:** Avoid heating the product or mixing with acid/alkalies and detergents.
**Materials to Avoid:** Strong oxidizing agents, reducing agents and alcohols (aliphatic or aromatic)
**Hazardous Decomposition Products:** None established
**Other Recommendations:** Read and follow all directions for use.

11. Toxicological Information

**Hazardous Ingredients:** None
**Rate of Exposure:** Hygroscopic (Aqueous Solution)

12. Ecological Information

**Hazardous Ingredients:** None
**Mobility:** N/A
**Persistence and Degradability:** N/A
13. Disposal Considerations:
   Waste Disposal Method: Sweep/shovel to disposal system. Irrigate area with plenty of water. Material will dissolve and can be washed away.

   DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

14. Transport Information:
   DOT: Non-Hazardous

   All ingredients are listed on the TSCA list
   Product does not contain any chemical required to be reported under SARA 313.

15. Regulatory Information:
   Hazard Symbols: None

   Risk Phrases: N/A

   Note:

16. Other Information
   Other Information:

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<tr>
<th>Hazard Rating</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
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   Health: 4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT

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