

Material Safety Data Sheet

Monsel's Solution

MSDS, Rev. 2

Last revised: 08-June-2009

Approved for Use: 08-July-2009

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)
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Ferric subsulfate hydrate		20-22%		
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Thickeners		20-30%		
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Bactericidal (Benzalkonium Chloride)		0.005%		
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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.

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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

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Bioaccumulative Potential: N/A
Other Adverse Effects: N/D

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:

Hazard Rating:	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2=MODERATE
		1=SLIGHT

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