

MATERIAL SAFETY DATA SHEET

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General Electric Medical Systems Group

3000 N. Grandview Boulevard, Waukesha, WI 53188

Trade Name: PHANTOM 46-287902G1/46-287902G2

MSDS No.: 8363919

Mfg. Rev. No: 04

MSDS Date: 04/24/95

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

G.E. Medical Systems

P.O. 414, W-853

Milwaukee, WI 53201

Tel: (414) 521-6566

EMERGENCY CONTACT -----

Chemtec

(600) 424-9300

Product Synonyms (Other Designations) -----

PHANTOM 46-287902G1/46-287902G2

MANGANESE (II) CHLORIDE

MANGANESE DICHLORIDE

MANGANOUS CHLORIDE

MANGANESE (II) CHLORIDE (1:2)

GLYCEROL, GLYCERIN

GLYCERINE

GLYCERITOL

GLYCYL ALCOHOL

46-287902G2

1,2,3-PROPANETRIOL

TRIHYDROXYPROPANE

1,2,3-TRIHYDROXYPROPANE

GLYCERIN

ANHYDROUS

GLYCERIN

SYNTHETIC

SYNTHETIC GLYCERIN

90 TECHNICAL GLYCERINE

GLYSANIN

GLYROL

OSMOGLYN

CAS Number: 7773-01-5

Chemical Name: (1X Manganese Chloride, (1X Potassium Sorbate, (1X Sodium Chloride;

Glycerine

Formula: MnCl2, NaCl, H2O, C3H8O3 and potassium Sorbate Mixture

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Skin: If this chemical gets on the skin, immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin with soap or mild detergent and water. Get medical attention promptly.

Inhalation: If a person breathes in large amounts of this chemical, move the exposed person to fresh air at once. If breathing has stopped perform artificial respiration. Keep the affected person warm and at rest. Get medical attention as soon as possible.

Ingestion: When this chemical has been swallowed and person is conscious, immediately give person large quantities of water. After water has been swallowed, try to get the person to vomit by having him touch the back of his throat with his finger. Do not make an unconscious person vomit. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point (Method): Non Flammable

Flammable Limits

LEL: N/A

UEL: N/A

Extinguishing Media: Extinguish fire using agent suitable for type of surrounding fire (material itself does not burn or burns with difficulty).

Firefighting Procedures: Solution in phantoms are not flammable. Self-contained breathing apparatus with a full face-piece operated in pressure-demand or positive-pressure mode.

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8. EXPOSURE CONTROLS /PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

The handling and use of phantoms under normal conditions require no special personal protective equipment. In the event of a spill or leak of a container, the following personal protective equipment is suggested.

Respirator: Respirator selection (upper limit devices permitted):

50 mg(Mn)/m3: dust and mist respirator, supplied air respirator, self contained breathing apparatus.

125 mg(Mn)/m3: powered air purifying respirator with a dust and mist filter, supplied air respirator operated in continuous flow mode.

250 mg(Mn)/m3: air purifying full facepiece respirator with a high efficiency particulate filter, powered air purifying respirator with a tight fitting

and/or toxic.

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| 13. DISPOSAL CONSIDERATIONS |
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Waste Management/Disposal: Observe all federal, state or local regulations when storing or disposing of this substance. Contact local and/or state environmental authorities to insure proper compliance.

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| 14. TRANSPORTATION INFORMATION |
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DOT Hazard Class: Not Listed

Special Shipping: Following information from Department of Transportation/U.S. Coast Guard, "Chemical Response Information System", regarding water spills:

*Substance miscible with water

*Dilute and disperse using water jets, propellers, or similar means of agitation.

Listed by U.S. Coast Guard under cargo compatibility group alcohols glycols,

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--- 14. TRANSPORTATION INFORMATION continued from page 5 ---

incompatible with the following materials: sulfuric acid, nitric acid, caustic, aliphatic amines, isocyanates.

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| 15. REGULATORY INFORMATION |
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RCRA Information: This substance does not meet the definition of a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 260)

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| 16. OTHER INFORMATION |
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National Fire Protection Association Hazard Codes:

(Hazard Ratings: 0=None 1-Insignificant 2-Slight 3-Moderate 4-Extreme)

Health: 1 Fire: 0 Reactivity: 0

Prepared by: N/A

Date Prepared: 04/24/95

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