

Material Safety Data Sheet

Printing date 24/11/2010

Version 1

Reviewed on 24/11/2010

1. Chemical and Company Identification

Product Name: Silver Enhancer Solution A (Membrane)

Unit size: 250ml

Manufacturer/Supplier : CytoDiagnostics Inc., 919 Fraser Drive, Unit 11, Burlington, Ontario, Canada, L7L 4X8

Phone: 905-635-2966

Web: <http://www.cytodiagnosics.com>Information and Support: customer_service@cytodiagnosics.com**2. Composition/Information on Ingredients****This product contains:** Silver Enhancer Solution A**Component 1:** Proprietary Component 3.5% (weight %)
(Trade Secret per 29 CFR 1910.1200 i 1)**3. Hazards Identification**

Corrosive. Causes burns.

Harmful by inhalation, in contact with skin, and if swallowed.

4. First Aid Measures**Skin contact:** In case of contact with skin, immediately remove contaminated clothing and wash extensively with water and seek medical advice if symptoms occurs.**Ingestion:** If swallowed and person is conscious wash mouth with water, seek medical advice immediately.**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.**Inhalation:** In case of accident by inhalation, remove to fresh air. If breathing becomes difficult seek medical advice.**5. Fire Fighting Measures****Unusual Fire and Explosion Hazards:** Upon evaporation of water, may emit toxic fumes under fire conditions. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.**Extinguishing media:** Foam, Alcohol Foam, CO₂, Dry Chemical, and Water/Fog.

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6. Accidental Release Measures

Spill Procedures: Contain spill and then clean up with copious amounts of water. Avoid contact with skin and clothing.

7. Handling and Storage

Storage: Store at 2-8°C.

8. Exposure Controls/Personal Protection

Inhalation: Adverse health effects from vapors and spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, respiratory tract and symptoms of headache and nausea..

Respiratory Protection: None required if good ventilation is maintained. Otherwise wear MSHA/NIOSH approved respirator suitable for vapor or mist concentrations encountered.

Skin Contact: Prolonged and repeated contact with product may cause skin irritation. Wear protective gloves.

Eye Contact: Direct contact with product may result in eye irritation. Wear safety glasses – goggles.

9. Physical and Chemical Properties

Appearance: Clear solution

Melting/Freezing Point: <0°C (water)

Boiling Point: 100°C (water)

Solubility in water: Dilutable

10. Stability and Reactivity

Stability: Stable

11. Toxicological Information

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Hydrogen Cyanide, Ammonia.

Hazardous Polymerisation: Will not occur

Incompatibility Materials to Avoid: Strong oxidizing agents, acids and acid anhydrides.

12. Ecological Information

N/A

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13. Disposal Considerations

Disposal: Consult a licensed waste disposal specialist for proper destruction. Observe all local, state and federal regulations.

14. Transport Information

N/A

15. Regulatory Information

This product contains a mixture that may contain one or more hazardous chemicals. The hazardous chemicals listed are only those as required by 29 CFR 1910.1200 g 2.C1.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the material safety data sheet contains all of the information required by those regulations.

WHMIS classification: Not determined

16. Other Information

This product is for research purposes, not for diagnostic or therapeutic use.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make independent decisions regarding completeness of the information based on all sources available. Cytodiagnosics Inc. shall not be held liable for any damage resulting from handling or contact with the above product.

END OF MSDS

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1. Chemical and Company Identification

Product Name: Silver Enhancer Solution B (Membrane)

Unit size: 250ml

Manufacturer/Supplier : CytoDiagnostics Inc., 919 Fraser Drive, Unit 11, Burlington, Ontario, Canada, L7L 4X8

Phone: 905-635-2966

Web: <http://www.cytodiagnosics.com>Information and Support: customer_service@cytodiagnosics.com**2. Composition/Information on Ingredients****This product contains:** Silver Enhancer Solution B**Component 1:** Hydroquinone 0.6% (weight %)**3. Hazards Identification**

Toxic

May cause cancer

Harmful by inhalation, in contact with skin, and if swallowed.

4. First Aid Measures**Skin contact:** In case of contact with skin, immediately remove contaminated clothing and wash extensively with water and seek medical advice if symptoms occurs. Discard contaminated clothing.**Ingestion:** If swallowed and person is conscious wash mouth with water, seek medical advice immediately.**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.**Inhalation:** In case of accident by inhalation, remove to fresh air. If breathing becomes difficult seek medical advice.**5. Fire Fighting Measures****Unusual Fire and Explosion Hazards:** Upon evaporation of water, hydroquinone may emit toxic fumes under fire conditions. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.**Extinguishing media:** Foam, Alcohol Foam, CO₂, Dry Chemical, and Water/Fog.

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6. Accidental Release Measures

Spill Procedures: Contain spill and then clean up with copious amounts of water. Avoid contact with skin and clothing.

7. Handling and Storage

Storage: Store at 2-8°C.

8. Exposure Controls/Personal Protection

Inhalation: Adverse health effects from vapors and spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, respiratory tract and symptoms of headache and nausea..

Respiratory Protection: None required if good ventilation is maintained. Otherwise wear MSHA/NIOSH approved respirator suitable for vapor or mist concentrations encountered.

Skin Contact: Prolonged and repeated contact with product may cause skin irritation. Wear protective gloves.

Eye Contact: Direct contact with product may result in eye irritation. Wear safety glasses – goggles.

9. Physical and Chemical Properties

Appearance: Clear solution

Melting/Freezing Point: <0°C (water)

Boiling Point: 100°C (water)

Solubility in water: Dilutable

10. Stability and Reactivity

Stability: Stable

11. Toxicological Information

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide

Hazardous Polymerisation: Will not occur

Incompatibility Materials to Avoid: Strong oxidizing agents, acids and bases.

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END OF MSDS