

Material Safety Data Sheet

Printing date 22/04/2013

Version 1

Reviewed on 18/04/2013

1. Chemical and Company Identification

Product Name: Cytodiagnosics Silver Nanoparticle (Colloidal Silver) Protein Conjugate
Particle size: 10-100nm
Unit size: 10-1000 ml
Manufacturer/Supplier: CytoDiagnosics 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: Colloidal silver nanoparticles conjugated to protein. Supplied in 10mM Tris buffer (pH 8) supplemented with stabilizers

Component 1: Silver, <0.1% (w/v), CAS 9015-51-4

3. Hazards Identification

Emergency overview: Harmful if swallowed, contact with skin and by inhalation.

Routes of Entry: Inhalation, ingestion, eye contact and skin absorption.

Effect of overexposure: This product may cause contact dermatitis

4. First Aid Measures

Skin contact: In case of contact with skin, immediately remove contaminated clothing and wash extensively with soap and 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 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

Flammable properties and Hazards: Emits toxic fumes under fire conditions.

Extinguishing media: Use extinguishing media appropriate to surrounding fire conditions.

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Special fire fighting procedures: Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Spill Procedures: Isolate contaminated area and wear protective clothing according to section 7. Absorb spillage on appropriate material and place in closed container for proper disposal according to section 13 and wash area with copious amount of water. Make sure to properly ventilate area.

7. Handling and Storage**Handling:**

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation.

Wear laboratory coat, gloves and protective glasses during handling.

In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed, wrapped in aluminum foil and stored at 4°C. Do NOT freeze.

8. Exposure Controls/Personal Protection

General: Provide adequate local ventilation and availability of safety shower and eyewash station nearby.

General protection equipment: Wear laboratory coat

Protection of hands: Latex protective gloves

Breathing equipment: In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection: Safety glasses

9. Physical and Chemical Properties

Appearance: Liquid

Color: Yellow

Odour: Odourless

10. Stability and Reactivity

Stability: Stable

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11. Toxicological Information

Skin contact: May be harmful in contact with skin.

Ingestion: May be harmful if ingested.

Eye contact: May be harmful in contact with eyes.

Inhalation: May be harmful if inhaled.

12. Ecological Information

Do not allow product to reach ground water, water course, or sewage system.

13. Disposal Considerations

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

14. Transport Information

Hazard class: Not regulated for transportation according to DOT (US), IMDG and IATA.

Product identification number: Not determined

15. Regulatory Information

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

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16. Other Information

This product is for research purposes only, 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