

MATERIAL SAFETY DATA SHEET

1. Product Identification:

Product Name:	NATtrol CT/NG Negative Control
Catalog Number:	NATCT/NGNEG-6MC
Product ID Number (CAS #)	None
Manufacturer Information:	<u>ZeptoMetrix Corporation</u> 872 Main Street Buffalo, New York 14202 Phone: (716)-882-0920 Fax: (716)-882-0959 (KS) 01/2013
Preparation/Revision Date: 03/2010	

2. Hazardous Ingredients:

<u>Component</u>	<u>Concentration</u>	<u>CAS Number</u>
Inactivated Viral particles	10 ⁻² - 10 ⁻¹⁰	N/A
Sodium Azide	0.09%	26628-22-8

(Note: This product does contain material derived from human sources and may be considered a biohazard and/or Regulated Medical Waste in your state. Check your Local Environmental Regulations.)

3. Health Hazard Information:

Symptoms of Overexposure:

Contact with Eyes:	Possible irritation.
Contact with Skin:	Possible irritation.
Absorbency Through Skin:	No adverse effects expected, not reported to be absorbed through the skin.
Ingestion:	Harmful if swallowed, may cause irritation.
Inhalation:	N/A

Health Effects or Risks from Exposure:

Acute:	Possible eye irritant.
Chronic:	None known.

Environment

Toxicity	This material contains 0.09% Sodium Azide which is toxic to fish.
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4. First Aid/Emergency Measures:

Eye Contact:	Wash with large volumes of water until irritation is relieved, lifting the upper and lower eye lids occasionally. If irritation persists, seek medical attention.
Skin Contact:	Wash with soap and water.
Ingestion:	Rinse mouth with water, then drink one (2) cups of water or milk to dilute the stomach. If adverse reaction occurs, seek medical attention immediately.
Inhalation:	If it occurs move patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

5. Fire and Explosion Measures:

Flashpoint:	N/A
Extinguishing Media:	Whatever is used for the surrounding area.
Special Firefighting Procedures:	No special procedures are required.
Unusual Fire/Explosion Hazards:	N/A
Toxic Gases Produced:	N/A

6. Accidental Release Measures:

Spill:	Wear chemical resistant rubber gloves and laboratory apron. Take up with absorbent material and place in a biohazard container. Wipe up area with a damp paper towel and discard in a biohazard container. Disinfect spill area with a 10% bleach solution.
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7. Handling and Storage:

Storage:	2-8°C
Handling:	Handle as a human serum sample. Prevent contact with eyes, skin and clothing.
Special Precautions:	Universal Precautions

8. Exposure Controls and Personal Protection:

Eye/Face Protection:	Safety glasses are recommended.
Skin Protection:	Disposable gloves are required. Lab coat or apron recommended.
Respiratory Protection:	N/A
Mechanical Protection:	N/A
Special Work Practices:	Use good laboratory practices when handling.

9. Physical and Chemical Characteristics:

Appearance:	A clear, pale amber solution.
Boiling Point:	Unknown
Melting Point:	N/A
pH:	7.5 ± 0.5
Vapor Pressure:	Unknown
Vapor Density:	Unknown
Solubility in Water:	Soluble
Evaporation Rate:	Unknown
Specific Gravity:	Unknown

10. Stability and Reactivity:

Reactivity:	N/A
Stability:	Stable
Conditions to Avoid:	N/A
Incompatibility:	Avoid contact with metals (aluminum, mercury, copper, lead, zinc) and acids.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	Sodium Azide can react with heavy metals to form explosive azides.

11. Toxicological Information:

Chronic effects of over-exposure	This product has not been tested.
Carcinogen or suspected carcinogen	None of the products are listed as a carcinogen or suspected carcinogen.
Medical conditions aggravated by exposure	May contain active human disease causing material. None currently known.
Acute toxicity	None known.
Inhalations	Inhalation of mists may cause respiratory irritation and possible systemic effects similar to ingestion.
Ingestion	Contains human serum or other human source material. Ingestion of sodium azide has been reported to cause shortness of breath, nausea, vomiting, restlessness, diarrhea, lowering of blood pressure (hypotension), and collapse. Rated highly toxic in animals.
Skin contact	May cause mild irritation. May contain active human disease causing material. Prolonged and extensive skin contact may result in absorption with systemic symptoms similar to ingestion.
Eye contact	May cause irritation.
Acute Toxicity Values	Sodium Azide: LD50 oral rat: 27 mg/kg LD50 dermal rabbit: 20 mg/kg

12. Ecological Information:

Ecological effects of this mixture have not been determined. The LC50 for sodium azide in *Daphnia Pulex* is reported to be 4.2 mg/L/96 hr @ 15°C and in Rainbow Trout is reported to be 0.8-1.6 mg/L/96 hr @ 13°C, Wt 1.4 G.

13. Disposal Information:

Disposal:	Recommended disposal in 30% bleach.
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14. Transport Information: (IATA Regulations)

Proper shipping name	A549 cells in Purified Serum Protein Matrix.
Technical name	NATrol CT/NG Negative Control
UN Number	N/A
Hazard class and packaging group	N/A
Label(s)	N/A
Packing instruction (passenger or cargo aircraft)	N/A
Unit volume	6 x 1 ml
Primary container type	The product container is polypropylene.
Sales unit	1 Ea

15. Regulatory Information:

SARA 311/312: Hazard categories for SARA Section 311/312 Reporting	Not hazardous.
Canadian WHMIS Classification	N/A
EU Classification (90/492/EE)	N/A
EU Risk and Safety Phrases	None
California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects).	None

16. Other Information:

Warning-possible hazardous material	<p>Any product prepared from human blood, plasma, or serum should be handled cautiously as a hazardous material according to good laboratory practices.</p> <p>If substantial amounts of reagents containing Sodium Azide are disposed of in plumbing systems, Sodium Azide may build up and form metal azides with copper or lead. This may produce a potential explosion hazard. See product insert or "Safety Management No. CDC-22 (United States Center for Disease Control) Decontamination of Laboratory Sink Drains to remove Azide Salts".</p>
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