

WILEX Inc.
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USA

Emergency Number (CHEMTREC):
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527 3887
Technical Information:
+1-617-492-3900 x502

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: HER-2/neu ELISA Controls

Product Number: 06489884

Date Prepared: 5/6/2011

Revision Number: 4

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains several components. Please refer to the individual Safety Data Sheets for the components listed below.

<i>Component Name</i>	<i>Product Number</i>
Controls 1-3	10-7022-1/3

Products may contain components which require reporting under SARA Title III Section 313 (40 CFR 372). See applicable component MSDS.

EU Classification (1999/45/EC):



EU Risk and Safety Phrases: R22, S28

14. TRANSPORT INFORMATION

Proper Shipping Name: Not regulated

Technical Name:





UN Number: N/A

Hazard Class and Packaging Group: N/A

Label(s): N/A

Packing Instruction (Passenger Aircraft): N/A

Packing Instruction (Cargo Aircraft): N/A**Shipping Container Type:** N/A**Sales Unit:** 3 plastic bottles with non-hazardous liquid in a fiberboard carton as a kit

<u>HMIS Hazard Rating</u>		
	Health:	1
	Fire	0
	Reactivity	0
	Personal Protection	B

4 = Severe hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard
*An asterisk indicates significant chronic health effects

Prepared by: Regulatory Affairs Department of WILEX Inc.

Disclaimer: The information contained herein is based on data presented in good faith and considered to be accurate and reliable as of the date of this Material Safety Data Sheet, but may well be not applicable to all conditions or situations that may exist or occur. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Users are cautioned to satisfy themselves as to the suitability of the information contained herein for the purposes intended prior to the use of the product. Since the use of the information contained herein and the conditions of use of the product are not within the control of WILEX Inc., it is the users' obligation to assure safe use of the information and the product.

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: Controls 1-3

Product Number: 10-7022-A/C

Date Prepared: May/6/2011

Revision Number: 4

Recommended Use: In vitro diagnostic reagent

2. COMPOSITION/INFORMATION ON INGREDIENTS

<i>CAS-No./EINECS-No.</i>	<i>Chemical Name</i>	<i>Amount</i>	<i>EU Classification (67/548/EEC):</i>
26628-22-8 / 247-852-1	Sodium Azide	0.1%	N, T+, R28, R32, R50/53

See Section 16 for further information on EU Classification.

3. HAZARDS IDENTIFICATION

Man: May be harmful by ingestion. Contact may cause irritation.

Environment: This product contains 0.1% sodium azide which is toxic to fish.

EU Classification (1999/45/EC): Xn - Harmful

EU Risk and Safety Phrases: R22, S28

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

4. FIRST AID MEASURES

Emergency First Aid Procedures: Call a physician immediately. Arrange for transport to the nearest ER (emergency room).

While awaiting the physician or transport to the ER:

Inhalation: If it occurs move patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If the patient is conscious, wash out mouth with water, give one or two glasses of water or milk to dilute immediately. Get immediate medical attention.

Skin Contact: Take off all contaminated clothing immediately. Wash off with soap and plenty of water. Wash contaminated clothing before re-use.

Eye Contact: In case of eye contact immediately flush eyes with copious amounts of water for at least 15-20 minutes. Transport to hospital for further medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use whatever is required for the surrounding area.

Special Fire Fighting Procedures: It is always best to wear a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None determined.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Take up with absorbent material and place in a suitable container. Wipe up area with a damp paper towel and discard.

7. HANDLING AND STORAGE

Store at temperatures and conditions as indicated on the product label. Avoid contact with the eyes, skin and clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<i>Chemical Name</i>	<i>Exposure Limit(s)</i>
Sodium Azide	0.29 mg/m ³ TLV-Ceiling

Ventilation: Use general room ventilation.

Respiratory Equipment: None required.

Protective Gloves: Standard laboratory chemical rubber or latex gloves.

Eye Protection: Standard laboratory safety glasses recommended. Contact lenses should not be worn in the laboratory.

Other Protective Equipment/Clothing: A laboratory coat or apron is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Clear, colorless to yellow, aqueous solution with no odor.

pH: 7.0

Specific Gravity (H₂O=1): ~ 1

Boiling Point (F): N/D

Melting Point (F): N/A

Vapor Pressure: N/D

Evaporation Rate: N/D

Solubility in Water: Partially soluble

Flash Point (Method Used): None

Flammable Limits: LEL: Not Applicable UEL: Not Applicable

N/A = Not Applicable N/D = Not Determined

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None determined.

Substances to Avoid: Avoid contact with metals (aluminum, mercury, copper, lead, zinc) and acids.

Hazardous Decomposition Products: Sodium azide can react with heavy metals to form explosive azides.

Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

Chronic Effects of Overexposure: None currently known.

Carcinogen or Suspected Carcinogen: None of the components are listed as a carcinogen or suspected carcinogen.

Medical Conditions Aggravated by Exposure: None currently known.

Acute Toxicity:

Inhalation: Inhalation of mists may cause respiratory irritation and possible systemic effects similar to ingestion.

Ingestion: 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 discomfort. Prolonged and extensive skin contact may result in absorption with systemic symptoms similar to ingestion.

Eye Contact: May cause mild 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. This product contains 0.7% of a surfactant, Triton X-100 which has a reported TL50 for bluegill sunfish of 12 mg/L/96 hr static.

13. DISPOSAL CONSIDERATIONS

Primary Container Type: The product container is polypropylene.

Waste Disposal Method: Each disposal facility must determine proper disposal methods to comply with Local, State and Federal Environmental Regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name: Not regulated

Technical Name:

UN Number: N/A

Hazard Class and Packaging Group: Not regulated

Label(s): N/A

Packing Instruction (Passenger Aircraft): N/A

Packing Instruction (Cargo Aircraft): N/A

Unit Volume: 0.5 mL

Primary Container Type: 2 mL polypropylene plastic

Sales Unit: 3 Bottles / kit

15. REGULATORY INFORMATION

SARA 311/312: Hazard categories for SARA Section 311/312 Reporting:

Acute Health

Canadian WHMIS Classification: Medical Devices are Exempt from WHMIS





EU Classification (1999/45/EC):



EU Risk and Safety Phrases: R22 - Harmful if swallowed.

S28 - After contact with skin, wash immediately with plenty of water.

16. OTHER INFORMATION

<u>HMIS Hazard Rating</u>		
	Health:	1
	Fire	0
	Reactivity	0
	Personal Protection	C
		4 = Severe hazard 3 = Serious Hazard 2 = Moderate Hazard 1 = Slight Hazard 0 = Minimal Hazard *An asterisk indicates significant chronic health effects

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

N - Dangerous for the environment

T+ - Very toxic

R28 - Very toxic if swallowed.

R32 - Contact with acids liberates very toxic gas.

R50/53 - Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

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".

Prepared by: Regulatory Affairs Department of WILEX Inc.

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