

MATERIAL SAFETY DATA SHEET

Rat antiserum against *Encephalitozoon cuniculi*

1. Identification of the substance/preparation and of the company/undertaking

Product name: Rat serum against *Encephalitozoon cuniculi*
Chemical formula: N/A
Art. no: A18-4002
Manufacturer: Medicago AB
Danmark Berga
SE-755 98 Uppsala
Sweden
tel.: +46 (0) 18 56 11 80
fax: +46 (0) 18 56 11 88
Emergency Phone: 112 (Sweden)

2. Hazards identification

Human health hazards: Contains sodium azide (NaN₃) which is highly toxic in pure form. At product concentrations it is not classified as hazardous.
Physical/chemical hazards: Sodium azide reacts with copper and lead to form highly explosive build-ups of metal azides. Flush with water upon disposal.

3. Composition/information on ingredients

Chemical name:	CAS no.:	EC no.:	Symbol:	Amount	Index no.:
Rat antiserum against <i>Encephalitozoon cuniculi</i>	-	-	-	99.95%	-
	R-phrases:	S-phrases:			
	-	-			
Chemical name:	CAS no.:	EC no.:	Symbol:	Amount	Index no.:
Sodium Azide	26628 – 22 – 8	011-004-00-7	T+	0.05 %	
	R-phrases:	S-phrases:			
	28/32	28/45/60/61			

4. First-aid measures

Ingestion: In case of ingestion, immediately wash mouth with water. Seek medical attention.
Inhalation: Supply fresh air and seek medical attention.
Skin contact: In case of contact, immediately wash skin thoroughly with soap and plenty of water.
Eye contact: In case of contact with eyes, irrigate thoroughly with water for several minutes.

5. Fire-fighting measures

Flammability of the product: May explode at high temperature. May produce toxic fumes in fire. (Sodium azide reacts with copper and lead to form highly explosive build-ups of metal azides)
Extinguishing media: Use dry chemical powder, water spray, carbon dioxide or alcohol resistant foam.
Special fire-fighting procedures: Wear breathing apparatus and full turnout gear.

6. Accidental release measures

Personal precautions:	Safety goggles. Plastic apron. Rubber gloves. Boots if handling big amounts.
Spill and leak:	Spread adsorbent material over any spillage, such as soda ash or cat litter. Clean the surface with water. Ventilate the room.

7. Handling and storage

Handling:	Keep away from sources of ignition. Do not smoke, eat or drink while handling the material. Wash hands after handling.
Storage:	Keep tightly closed. Store at +2°C-8°C. Keep container closed and protected from light and moisture.

8. Personal protection/exposure controls



Protective clothing:	
Personal protective equipment:	Safety goggles, rubber gloves, plastic apron or lab coat, dust respirator.
Engineering measures:	Extraction hood
Hygiene measures:	Wash hands after handling compounds and before eating, smoking and using lavatory.

9. Physical and chemical properties

Physical state:	Liquid
Odour:	Odourless
Colour:	Colourless
pH	N/A
Molecular Weight	N/A
Molecular formula:	N/A
Boiling Point/BP Range	N/A
Freezing Point	N/A
Auto ignition Temp	N/A
Oxidizing Properties	N/A
Explosive Properties (flashpoint)	N/A
Explosion Limits	N/A
Vapour Pressure	N/A
Viscosity	N/A
Vapour Density	N/A
Decomposition Temp	N/A
Solvent Content	N/A
Solubility in water	completely soluble

10. Stability and reactivity

Stability:	Stable unless heated
Conditions to avoid:	High temperatures
Materials to avoid:	Copper, and lead.
Hazardous decomposition products:	Metal azides
Hazardous polymerization:	N/A

11. Toxicological information

Signs and symptoms of exposure: Can cause Irritation of mucus membranes of mouth, gut and throat if ingested. May cause sensitization of skin.

Acute toxicity: N/A

Sensitisation: N/A

Chronic exposure: No known evidence of oncogenicity.

12. Ecological information

Ecotoxicity: N/A

Toxicity of the products of biodegradation: N/A

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

RID/ADR N/A
IMDG N/A
ICAO/IATA N/A

15. Regulatory information

N/A

16. Other information

Precautions and Disclaimer: For laboratory use only. Not for drug, household or other uses.

Revision date: 2010-07-02

Notice to reader

To the best of our knowledge, the information given is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.