SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-07-11

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

1.1 Product identifier

Product name: *Encephalitozoon cuniculi (EC)* Whole Cell Antigen Suspension
Article number: 18-2002

1.2 Relevant identified uses of the substance or mixture, and uses advised against

Identified uses: Laboratory substance

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0)18 56 11 80
Facsimile: +46 (0)18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112 (Sweden)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified: Acute Toxicity (category 3); H301, H311, H331

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Signal word: Danger
Hazard statement(s):
H301 Toxic if swallowed
H311 Toxic in contact with skin
H331 Toxic if inhaled
Precautionary statement(s):
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P208 Wear protective gloves/protective clothing/eye protection/face protection
P301+310 IF SWALLOWED: Immediately call POISON CENTER and/or doctor
P302+352 IF ON SKIN: Wash with plenty of water
Complementary hazard information
H351 Suspected of causing cancer by inhalation (formaldehyde)

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EC) no 1272/2008 (CLP)
Encephalitozoon cuniculi spores	-	-	-	~$4x10^7$/ml	Not classified
PBS	-	-	-	90-100%	Not classified
Formaldehyde	50-00-0	200-001-8	605-001-00-5	0.1%	Acute Tox 3; H301, H311, H331

For the full text of H-statements: see section 16

4. First aid measures

4.1 Description of first aid measures

If swallowed	Wash mouth with water; DO NOT induce vomiting; never give anything by mouth to an unconscious person; get medical attention
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash off with plenty of water; remove contaminated clothes; get medical attention
In case of eye contact	Wash eyes thoroughly with plenty of clean water for at least 15 min; remove contact lenses if present and easy-to-do; get medical attention
General advice	Show this data sheet to the doctor in attendance

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical, CO_2

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting; wear protective clothing to prevent contact with skin and eyes

5.4 Further information

No data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing fume/mist/vapours/spray; keep away from source of ignition; wear lab coat, safety goggles, suitable protection gloves and boots

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and material for containment and cleaning up

Absorb spilled material on sand and place it in a suitable waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading ≥75% ethanol over the contaminated area

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid breathing fume/mist/vapours/spray; avoid contact with skin, eyes and clothes

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed; use original container; store at +4° C in a dry and well-ventilated place; opened container must be carefully released and kept upright to prevent leakage

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

Components with work control parameters

8.2 Exposure controls

Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal protective equipment

Eye/face protection	Wear safety goggles (EN 166)
Skin protection	Use proper lab gloves; gloves must be inspected prior to use; wash and dry hands
Body Protection	Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Respiratory protection	If necessary use dust respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	clear liquid
Odour	pungent odour
Odour threshold	no data available
pH	no data available
Melting point/ freezing point	no data available
Initial boiling point and boiling range	100°C (at 1.013 hPa)
Flash point	56°C (in closed container)
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	53 hPa (at 39°°C)
Vapour density	no data available
Relative density	no data available
Water solubility	completely soluble
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong bases, acids, oxidizing reagents, alkali metals, amines, acid chlorides, acid anhydrides, reducing agents, peroxides, isocyanates, phenol, aniline

10.6 Hazardous decomposition products

In case of fire: carbon oxides

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/ eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: 1	GROUP 1: Carcinogenic to humans (Formaldehyde)

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation	Toxic if inhaled; the material is extremely destructive to the tissue of the mucus membranes and upper respiratory tract
Skin Contact	Toxic if absorbed through skin; causes skin burns
Eye Contact	May cause eye burns
Ingestion	Toxic if swallowed; causes burns

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

(Continued on page 5)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

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

Dispose of all used or unused reagent as well as any other contaminated disposable materials following procedures for infectious or potentially infectious products.
Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number

ADR-RID: 1198 IMDG: 1198 IATA: 1198

14.2 UN proper shipping name

ADR-RID: ENCEPHALITOZOON CUNICULI WHOLE CELL ANTIGEN SUSPENSION IN FORMALDEHYDE SOLUTION (flammable)
IMDG: ENCEPHALITOZOON CUNICULI WHOLE CELL ANTIGEN SUSPENSION IN FORMALDEHYDE SOLUTION (flammable)
IATA: *Encephalitosoon cuniculi* whole cell antigen suspension in formaldehyde solution (flammable)

14.3 Transport hazard class(es)

ADR-RID: 3 (8) IMDG: 3(8) IATA: 3 (8)

14.4 Packaging group

ADR-RID: III IMDG: III IATA: III

14.5 Environmental hazards

ADR-RID:	no
IMDG, water pollutant:	no
IATA:	no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

15. Regulatory information

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.
Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

Text of H-phrase(s) in section 3

H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
Acute Tox 3	Acute Toxicity (category 3)

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