

# Material safety data sheet

according to Regulation (EC). N°. 1907/2006

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

**Product identifier:** Monoclonal antibodies anti-Microsporidia  
**Product code:** 8100  
**Relevant identified uses of the substance or mixture:**  
Medical device / Laboratory reagents / Immunoassay  
The product is intended for professional use.  
**Manufacturer/ Distributor:** Bordier Affinity Products SA  
Chatanerie 2, CH-1023 Crissier, Switzerland  
Phone: +41 21 633 31 67, Fax: +41 21 633 31 78  
E-mail: [cb@bordier.ch](mailto:cb@bordier.ch), Web: [www.bordier.ch](http://www.bordier.ch)  
**Further information obtainable from:** Safety representative  
**Emergency phone number:** Please contact the nearest poison emergency center.

## 2. Hazards identification

**Classification according to Regulation EC n° 1272/2008 (CLP):**  
Physical Hazards: not classified  
Health Hazards: not classified  
Environmental Hazards: not classified  
**Classification according to Directive 67/548/EEC or Directive 1999/45/EC:**  
Not classified  
**Label elements:** None  
**Hazard pictograms:** None  
**Signal word:** None  
**Hazard statements:** None  
**Precautionary statement:** None  
**PBT:** Not applicable  
**vPvB:** Not applicable

## 3. Composition/information on ingredients

**Chemical characterization:** Mixtures do not contain hazardous substances in concentration to be declared.

### Material contained in the kit (2x50 assays):

8100-01	Monoclonal antibody anti- <i>Enterocytozoon bienewisi</i>	2 x 0.5 ml
8100-02	Monoclonal antibody anti- <i>Encephalitozoon intestinalis</i>	2 x 0.5 ml
8100-03	Anti-mouse IgG - Alexa Fluor 488 conjugate containing Evans blue	1 x 2 ml

**Description:** All components contain sodium azide and thiomersal.  
Conjugate n°8100-03 contains Evans blue.

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CAS-Nr.	Description of the hazardous ingredients	R-phrases 67/548/EEC	H-mentions EC n° 1272/2008 (CLP)	Concentration
26628-22-8	Sodium azide	T+; R28; R32 N; R50/53	Acute Tox. 2; H300, H310, H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	<0.02%
54-64-8	Thiomersal	T+; R26/27/28; R33 N; R50/53;	Acute Tox. 2; H300, H310, H330, H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	<0.02%
314-13-6	Evans blue	T; R45	Carc. (cat. 1B); H350	<0.0002%

**Additional information:** The antibodies are of animal origin (goat) and should be handled as potentially infectious.

#### 4. First aid measures

**General information:** No special measures required.  
**After inhalation:** Not applicable.  
**After skin contact:** Wash immediately with plenty of water.  
**After eye contact:** Rinse immediately with plenty of water and seek medical advice.  
**After swallowing:** Seek medical advice immediately.  
**Most important symptoms and effects, both acute and delayed:** No further relevant information available.

#### 5. Firefighting measures

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray, dry chemicals or chemical foam.  
**Special hazards arising from the substance or mixture:** No further relevant information available.  
**Special protective equipment:** No special measures required.

#### 6. Accidental release measures

**Personal precaution:** Keep away from food, drinks and animal feedingstuffs.  
Wear suitable protective clothing.  
**Environmental precautions:** Must be disposed as hazardous waste.  
Avoid release to the environment.  
**Methods and material for containment and cleaning up:** Absorb with liquid-binding material.

#### 7. Handling and storage

**Tips for safe handling:** No special measures required  
**Information about protection against explosions and fires:** No special measures required  
**Requirements to be met by storerooms and containers:** No special requirements  
**Tips for clustered storage:** Not required  
**Additional storage requirements:** Not required  
**Storage class:** None  
**Specific end use(s):** No further relevant information available.

## 8. Exposure controls and personal protection

### Additional tips for the design of technical facilities:

Not required

### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Additional information:

The list that were in effect during the creation of this document were used as basis.

### General safety and hygiene- measures:

Keep away from food and drinks.

Take off dirty and soaked clothes immediately.

Wash hands before breaks and after work is completed.

### Respiratory protection:

Not required.

### Hand protection:

It is recommended to wear disposable gloves for protection.

### Material of gloves:

The quality of the protective gloves must be chosen as a function of the specific working place concentration and quantity of hazardous substances. The glove material has to be impermeable and resistant to the product/substance/preparation.

### Eye protection:

If properly used not required. Recommended during refilling.

### Body protection:

Lab coat.

## 9. Physical and chemical properties

### Form:

Liquid

### Color:

Different according to colouring

### Odour:

Odorless

### Odour threshold:

Not available

### Melting point / range:

Not available

### Boiling point / range:

Not available

### Freezing point / range:

Not available

### Flashpoint, flammability:

Not flammable

### Ignition point:

Not ignitable

### Self-ignitability:

Not self-ignitable

### Explosion hazard:

The product is not explosive

### Explosion limits:

Not available

### Vapor pressure at 20°C:

Not available

### Density at 20°C:

Not available

### Solubility in water:

Not applicable

### Other information:

No further relevant information available.

## 10. Stability and reactivity

### Conditions to be avoided:

No degradation if used according to labeling.

### Dangerous reactions:

No dangerous reactions known.

### Incompatible materials:

No further relevant information available.

### Dangerous decomposition products:

No dangerous decomposition products known.

## 11. Toxicological information

### Primary irritant effect:

**on the skin:** None

**on the eye:** None

**Sensitisation:** No sensitising effect known

**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

**12. Ecological information**

**Aquatic toxicity:** No further relevant information available.  
**Persistence and degradability:** No further relevant information available.  
**Bioaccumulative potential:** No further relevant information available.  
**Mobility in soil:** No further relevant information available.  
**General notes:** Water hazard class 1 (German regulation): slightly hazardous for water. Do not allow undiluted products and large amounts to reach ground water, water course or sewage system.  
**PBT:** Not applicable.  
**vPvB:** Not applicable.  
**Other adverse effects:** No further relevant information available.

**13. Disposal considerations**

**Recommendation:** Cannot be disposed with household waste.  
 Cannot reach sewage system.  
 Should be disposed in hazardous waste container.  
**Contaminated packaging:** Disposal must be made according to official regulations.

**14. Transport information**

**UN-Number:** -  
**UN proper shipping name:** -  
**Transport hazard class:** -  
**Packing group:** -  
**Environmental hazards:** No  
**Special precautions for user:** Not applicable.  
**Transport in bulk according to annex II of MARPOL73/78 and the IBC Code:** Not applicable.  
**Transport/Additional information:** Not dangerous according to the above specifications.  
 This product is part of a kit. Information in this section refers to the kit as a whole.  
**Transport by road/rail ADR/RID:** No dangerous good in sense of this transport regulation.  
**Transport by sea IMDG:** No dangerous good in sense of this transport regulation.  
**Transport by air IATA-DGR and ICAO-TI:** No dangerous good in sense of this transport regulation.

**15. Regulatory information**

**Classification according to EU-Directives:** The product is classified and labeled according to EU-guidelines.  
**Code letter and hazard designation of product:** None  
**Hazard-determining components for labelling:** None  
**R-phrases:** None

**H-statements:**

None.

**Water hazard class:**

Water hazard class 1 (German regulation): slightly hazardous for water.

**16. Other information information****Full text of R-phrases and H-statements appearing in point 3:**

R 26: Very toxic by inhalation

R 27: Very toxic in contact with skin

R 28: Very toxic if swallowed

R 32: Contact with acids liberates very toxic gas

R 33: Danger of cumulative effects

R 45: May cause cancer

R 50: Toxic to aquatic organisms

R 53: May cause long-term adverse effects in the aquatic environment

H 300: Fatal if swallowed

H 310: Fatal in contact with skin

H 330: Fatal if inhaled

H 350: May cause cancer

H 373: May cause damage to organs through prolonged or repeated exposure

H 400: Very toxic to aquatic life

H 410: Very toxic to aquatic life with long-lasting effects

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This MSDS does not provide any guarantee on product properties and does not constitute any legal relationship.