SAFETY DATA SHEET – COVER SHEET
REVISION DATE: 2014-08-27

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

Product identifier
Product name: Encephalitozoon cuniculi (EC) ELISA Kit
Article number: 18-9001

Relevant identified uses of the substance or mixture, and uses advised against
Identified uses: In-vitro diagnostic; detection of antibodies against Encephalitozoon cuniculi in rabbit serum

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

Emergency telephone number
Emergency telephone number: Giftinformationscentralen 112 (Sweden)

Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
Classified: Skin Irritation (category 2), H315
Eye Irritation (category 2), H319

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

Signal word
Warning

Hazard statement(s):
H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary statement(s):
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+352 IF ON SKIN: Wash with plenty of water
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses, if present and easy-to-do; continue rinsing

Complementary hazard information
No data available

Other hazards
No additional hazardous products are formed after mixing individual components.
## Composition/information on ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>Product number</th>
<th>MSDS number</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC Blue Enhanced</td>
<td>10-9405</td>
<td>24-0142</td>
<td>Skin Irrit 2, H315 Eye Irrit 2, H319</td>
<td>3-7</td>
</tr>
<tr>
<td>EC Negative Rabbit Serum</td>
<td>04-0022</td>
<td>24-0302</td>
<td>Not classified</td>
<td>8-12</td>
</tr>
<tr>
<td>EC Positive Rabbit Serum</td>
<td>18-0051</td>
<td>24-0014</td>
<td>Not classified</td>
<td>13-17</td>
</tr>
<tr>
<td>HRP-conjugated Pig-Anti-Rabbit pAb</td>
<td>02-0035</td>
<td>24-0286</td>
<td>Not classified</td>
<td>18-22</td>
</tr>
<tr>
<td>PBS Tween Tablets (pH7.4)</td>
<td>09-9410</td>
<td>24-0138</td>
<td>Not classified</td>
<td>23-27</td>
</tr>
<tr>
<td>Stop Solution</td>
<td>18-9006</td>
<td>24-0020</td>
<td>Not classified</td>
<td>28-32</td>
</tr>
</tbody>
</table>

## 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.
SAFETY DATA SHEET: 24-0142
according to Regulation (EC) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-08-27

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

1.1 Product identifier
Product name: EC Blue Enhanced™
Article number: 10-9105

1.2 Relevant identified uses of the substance or mixture, and uses advised against
Identified uses: Laboratory chemical; ELISA application; in-vitro diagnostic

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: Skin Irritation (category 2), H315
Eye Irritation (category 2), H319

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

Signal word: Warning
Hazard statement(s):
H315 Causes skin irritation
H319 Causes serious eye irritation
Precautionary statement(s):
P264 Wash hands thoroughly after handling
P380 Wear protective gloves/protective clothing/eye protection/face protection
P302+352 IF ON SKIN: Wash with plenty of water
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses, if present and easy-to-do; continue rinsing

Complementary hazard information:
No further information

2.3 Other hazards
No data available
3. Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Index-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EC) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>-</td>
<td>80-90 %</td>
<td>Not classified</td>
</tr>
<tr>
<td>1-methyl-2-pyrrolidinone</td>
<td>872-50-4</td>
<td>212-828-1</td>
<td>606-021-00-7</td>
<td>&lt; 5 %</td>
<td>Skin Irrit 2, H315 Eye Irrit 2, H319</td>
</tr>
</tbody>
</table>

Based on the working concentrations there are no additional components present which are classified as hazardous to health and environment; hence they do not require reporting in this section.

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

4. First aid measures

4.1 Description of first aid measures

If swallowed: Wash mouth with water; 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 soap and water; remove contaminated clothes and shoes; get medical attention.
In case of eye contact: Wash thoroughly with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; keep washing for several additional minutes; get medical attention.
General advice: Get medical attention if you feel unwell; 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: dry chemical powder, water spray, fog or alcohol-resistant foam.
Unsuitable extinguishing media: do not use water jet.

5.2 Special hazards arising from the substance or mixture

Toxic gas such as carbon oxides, may form flammable heavy gas.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting.

5.4 Further information

Product is highly flammable; container may explode in case of fire.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear safety goggles, lab coat, suitable protection gloves and boots; wash hands before and after use.

6.2 Environmental precautions

No data available.

6.3 Methods and material for containment and cleaning up

Cover spilled liquid with sand; use appropriate tools to put the solid in a convenient waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water on the contaminated surface and ventilate the room.

6.4 Reference to other sections

For disposal: see section 13.
7. Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin, eyes, and clothes; keep away from heat and ignition

7.2 Conditions for safe storage, including any incompatibilities
Use original container; store at 2-8°C in the tightly closed amber bottle

7.3 Specific end use(s)
No data available

8. Exposure controls/personal protection

8.1 Control parameters
No data available

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: Use dust respirator if necessary; use 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>colourless to slightly bluish</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/ water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

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
Heat, light

10.5 Incompatible materials
Acids, chloride acids, acids anhydrides, strong oxidizing agents, alkali metal and strong reducing agents

10.6 Hazardous decomposition products
In case of fire: carbon oxides, flammable heavy gas

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
No data available

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

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May be harmful if inhaled</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>Skin</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>Eye</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>

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 7)
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.
Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number
ADR-RID: -
IMDG: -
IATA: -

14.2 UN proper shipping name
ADR-RID:
IMDG:
IATA:
Not dangerous goods
Not dangerous goods
Not dangerous goods

14.3 Transport hazard class(es)
ADR-RID:
IMDG: -
IATA: -

14.4 Packaging group
ADR-RID: -
IMDG: -
IATA: -

14.5 Environmental hazards
ADR-RID:
IMDG, water pollutant:
IATA:
no
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
Hazard statement(s):
H315 Causes skin irritation
H319 Causes serious eye irritation

Skin Irrit. 2 Skin Irritation (category 2)
Eye Irrit. 2 Eye Irritation (category 2)
SAFETY DATA SHEET: 24-0302
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-08-27

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

1.1 Product identifier
Product name: EC Negative Control
Article number: 04-0022

1.2 Relevant identified uses of the substance or mixture, and uses advised against
Identified uses: Detection of *Encephalitozoon cuniculi*; for laboratory use only

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

2. Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
Not classified as hazardous substance and mixture

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
This product does not need to be labelled in accordance with EC directive or respective national laws.

Signal word: -
Hazard statement(s): -
Precautionary statement(s): -
Complementary information:
Caution – substance not yet tested completely.

2.3 Other hazards
None

3. Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Index-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>E. cuniculi</em> negative control serum</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>99.95%</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>-</td>
<td>0.05%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1 Description of first aid measures
   - If swallowed: Rinse mouth with water. Consult a physician.
   - If inhaled: Supply fresh air.
   - In case of skin contact: Wash off with soap and plenty of water. Generally the product does not irritate the skin.
   - In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes.
   - General advice: If symptoms persist, consult a physician. Show this safety 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
   - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
   - Carbon oxides

5.3 Advice for fire fighters
   - Protective equipment: Standard protective clothing for fire fighters

5.4 Further information
   - The product itself does not burn

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   - Use suitable protective equipment (see chapter 8).

6.2 Environmental precautions
   - Do not let product enter drains.

6.3 Methods and material for containment and cleaning up
   - Keep in a suitable, closed container for disposal.

6.4 Reference to other sections
   - For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling
   - No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
   - Store at 2-8°C. Keep container tightly closed.

7.3 Specific end use(s)
   - No data available.
8. Exposure controls/personal protection

8.1 Control parameters
This product does not contain any relevant quantities of materials with critical values that have to be monitored.

8.2 Exposure controls
Appropriate engineering controls
General industrial hygiene practice
Personal protective equipment

Eye/face protection
Use equipment for eye protection, tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with proper gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands.

Body Protection
Use lab coat.

Respiratory protection
For most conditions, no respiratory protection is needed; if necessary use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance
Form: liquid
Odour
no data available
Odour threshold
no data available
pH
no data available
Melting point/ freezing point
no data available
Initial boiling point and boiling range
no data available
Flash point
no data available
Evaporation rate
no data available
Flammability (Solid, gas)
no data available
Upper/lower flammability or explosive limits
no data available
Vapour pressure
no data available
Vapour density
no data available
Relative density
no data available
Water solubility
no data available
Partition coefficient: n-octanol/ water
no data available
Auto-ignition temperature
product is not self-igniting
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
No data available

10.3 Possibility of hazardous reactions
No data available

(Continued on page 11)
10.4 Conditions to avoid
   No data available

10.5 Incompatible materials
   Strong oxidizing agents

10.6 Hazardous decomposition products
   No data available

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

   Acute toxicity
   LD50: Oral 27 mg/kg (mouse) – sodium azide
   LD50: Dermal 500-1000 mg/kg (rabbit) – sodium azide

   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
   No data available

   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: May be harmful if inhaled. May cause respiratory tract irritation
   Ingestion: May be harmful if swallowed
   Skin: May be harmful if absorbed through skin; may cause skin irritation
   Eyes: May cause eye irritation

12. Ecological information

12.1 Toxicity
   No data available

12.2 Persistence and degradability
   No data available

12.3 Bioaccumulative potential
   No data available

12.4 Mobility in soil
   No data available

12.5 Results of PBT and vPvB assessment
   Not considered as a PBT
   Not considered as a vPvB

12.6 Other adverse effects
   No data available
13. Disposal considerations

13.1 Waste treatment methods
Small quantities can be disposed of with household waste. Keep in suitable, closed container for disposal. Disposal must be made according to official regulations.
Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number
ADR-RID, IMDG, IATA: Not applicable

14.2 UN proper shipping name
ADR-RID, IMDG, IATA: Not dangerous goods

14.3 Transport hazard class(es)
ADR-RID, IMDG, IATA: Not applicable

14.4 Packaging group
ADR-RID, IMDG, IATA: Not applicable

14.5 Environmental hazards
ADR-RID: no
IMDG, water pollutant: no
IATA: no

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

15. Regulatory information

This data sheet complies with the requirements of the 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.
SAFETY DATA SHEET: 24-0014
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-08-27

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

1.1 Product identifier
Product name: EC Positive Serum
(Rabbit antiserum against Encephalitozoon cuniculi)
Article number: 18-0051

1.2 Relevant identified uses of the substance or mixture, and uses advised against
Identified uses: Detection of Encephalitozoon cuniculi; for laboratory use only

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

2. Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
Not classified as hazardous substance and mixture

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
This product does not need to be labelled in accordance with EC directive or respective national laws.

Signal word: -
Hazard statement(s): -
Precautionary statement(s): -
Complementary information:
Caution – substance not yet tested completely.

2.3 Other hazards
None

3. Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Index-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. cuniculi positive control serum</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>99.95%</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>-</td>
<td>0.05%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1 Description of first aid measures
- If swallowed: Rinse mouth with water. Consult a physician.
- If inhaled: Supply fresh air.
- In case of skin contact: Wash off with soap and plenty of water. Generally the product does not irritate the skin.
- In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes.
- General advice: If symptoms persist, consult a physician. Show this safety 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
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for fire fighters
Protective equipment: Standard protective clothing for fire fighters

5.4 Further information
The product itself does not burn

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use suitable protective equipment (see chapter 8).

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and material for containment and cleaning up
Keep in a suitable, closed container for disposal.

6.4 Reference to other sections
For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Store at 2-8°C. Keep container tightly closed.

7.3 Specific end use(s)
No data available.
8. Exposure controls/personal protection

8.1 Control parameters
This product does not contain any relevant quantities of materials with critical values that have to be monitored.

8.2 Exposure controls
- **Appropriate engineering controls**
  - General industrial hygiene practice
- **Personal protective equipment**
  - **Eye/face protection**
    - Use equipment for eye protection, tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
  - **Skin protection**
    - Handle with proper gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
    - Wash hands.
  - **Body Protection**
    - Use lab coat.
  - **Respiratory protection**
    - For most conditions, no respiratory protection is needed; if necessary use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
- **Appearance**
  - Form: liquid
- **Odour**
  - no data available
- **Odour threshold**
  - no data available
- **pH**
  - no data available
- **Melting point/ freezing point**
  - no data available
- **Initial boiling point and boiling range**
  - no data available
- **Flash point**
  - no data available
- **Evaporation rate**
  - no data available
- **Flammability (Solid, gas)**
  - no data available
- **Upper/lower flammability or explosive limits**
  - no data available
- **Vapour pressure**
  - no data available
- **Vapour density**
  - no data available
- **Relative density**
  - no data available
- **Water solubility**
  - no data available
- **Partition coefficient: n-octanol/ water**
  - no data available
- **Auto-ignition temperature**
  - product is not self-igniting
- **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
- No data available

10.3 Possibility of hazardous reactions
- No data available

(Continued on page 16)
10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
No data available

11. Toxicological information

11.1 Information on toxicological effects
11.1.2 Mixtures

Acute toxicity
LD50: Oral 27 mg/kg (mouse) – sodium azide
LD50: Dermal 500-1000 mg/kg (rabbit) – sodium azide

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
No data available

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: May be harmful if inhaled. May cause respiratory tract irritation
Ingestion: May be harmful if swallowed
Skin: May be harmful if absorbed through skin; may cause skin irritation
Eyes: May cause eye irritation

12. Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not considered as a PBT
Not considered as a vPvB

12.6 Other adverse effects
No data available
13. Disposal considerations

13.1 Waste treatment methods
Small quantities can be disposed of with household waste. Keep in suitable, closed container for disposal. Disposal must be made according to official regulations.
Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number
ADR-RID, IMDG, IATA: Not applicable

14.2 UN proper shipping name
ADR-RID, IMDG, IATA: Not dangerous goods

14.3 Transport hazard class(es)
ADR-RID, IMDG, IATA: Not applicable

14.4 Packaging group
ADR-RID, IMDG, IATA: Not applicable

14.5 Environmental hazards
ADR-RID: no
IMDG, water pollutant: no
IATA: no

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

15. Regulatory information

This data sheet complies with the requirements of the 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.
SAFETY DATA SHEET: 24-0286
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-08-27

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

1.1 Product identifier
   - Product name: HRP-conjugated Pig Anti-Rabbit pAb
   - Article number: 02-0035

1.2 Relevant identified uses of the substance or mixture, and uses advised against
   - Identified uses: Component of the Encephalitozoon cuniculi ELISA kit (product number: 18-9001)

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)
     Not classified as hazardous substance or mixture

2.2 Label elements
   - Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
     Product does not need to be labelled in accordance with EU-directive or respective national laws.

   - Signal word: -
   - Hazard statement(s): -
   - Precautionary statement(s): -

   - Complementary hazard information:
     No further information

2.3 Other hazards
   - No data available

3. Composition/information on ingredients

3.2 Mixtures
   - No component needs to be disclosed according to applicable regulations.

4. First aid measures

4.1 Description of first aid measures
   - If swallowed: Rinse mouth with water; get medical attention if symptoms occur; never give anything by mouth to an unconscious person
   - If inhaled: Move to fresh air; get medical attention if symptoms occur; if person is not breathing, give artificial respiration and get medical attention
   - In case of skin contact: Wash off with soap and water; get medical attention if irritation occurs
   - In case of eye contact: Wash eyes thoroughly with clean water for at least 15 min; get medical attention if irritation occurs
   - General advice: Get medical attention if you feel unwell; show this data sheet to the doctor in attendance
     (Continued on page 19)
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, fog, dry powder, carbon dioxide or alcohol-resistant foam

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for fire fighters
Wear self-contained breathing apparatus for firefighting, if necessary

5.4 Further information
No further information

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear lab coat, safety goggles, suitable protection gloves; wash hands before and after use

6.2 Environmental precautions
Do not let product enter drains

6.3 Methods and material for containment and cleaning up
Sweep/wipe spilled material and put it in a suitable and closed container for disposal

6.4 Reference to other sections
For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes; keep away from heat and sun light

7.2 Conditions for safe storage, including any incompatibilities
Store in a tightly closed container at +4°C; use original container

7.3 Specific end use(s)
No data available

8. Exposure controls/personal protection

8.1 Control parameters
No data available

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
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 For most conditions respiratory protection is not needed; 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Form: liquid; Colour: colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/ water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

9.2 Other information

No further information

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

Heat; direct sunlight

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

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

No data available

(Continued on page 21)
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
No data available

12. Ecological information

12.1 Toxicity
No data available
12.2 Persistence and degradability
No data available
12.3 Bioaccumulative potential
No data available
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.
Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number
ADR-RID: -
IMDG: -
IATA: -

14.2 UN proper shipping name
ADR-RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard class(es)
ADR-RID: -
IMDG: -
IATA: -

14.4 Packaging group
ADR-RID: -
IMDG: -
IATA: -

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.
SAFETY DATA SHEET: 24-0138
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-08-27

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

1.1 Product identifier
Product name: Phosphate Buffered Saline (PBS)-Tween™ 20 Tablets (pH 7.4)
Article number: 09-9410

1.2 Relevant identified uses of the substance or mixture, and uses advised against
Identified uses: Laboratory chemical; buffer for various applications

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

2. Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
Not classified as hazardous substance or mixture

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
Product does not need to be labelled in accordance with EU-directive or respective national laws.

Signal word: -
Hazard statement(s): -
Precautionary statement(s): -

Complementary hazard information:
No further information

2.3 Other hazards
No data available

3. Composition/information on ingredients

3.2 Mixtures
No component needs to be disclosed according to applicable regulations.

4. First aid measures

4.1 Description of first aid measures
If swallowed: Rinse mouth with water; never give anything by to an unconscious person; get medical attention if symptoms occur
If inhaled: Move to fresh air; get medical attention if symptoms occur; if person is not breathing, give artificial respiration and get medical attention
In case of skin contact: Wash with soap and water; remove contaminated clothes and shoes; get medical attention if irritation occurs
In case of eye contact: Wash thoroughly with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; get medical attention if irritation occurs
General advice: Get medical attention if you feel unwell; show this data sheet to the doctor in attendance

(Continued on page 24)
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: dry chemical powder, water spray, fog or alcohol-resistant foam
Unsuitable extinguishing media: do not use water jet

5.2 Special hazards arising from the substance or mixture
Sodium oxides, phosphor oxides

5.3 Advice for fire fighters
Wear self-contained breathing apparatus for firefighting if necessary

5.4 Further information
Product may be combustible at high temperature

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable protection gloves and boots; wash hands before and after use

6.2 Environmental precautions
No data available

6.3 Methods and material for containment and cleaning up
Use appropriate tools to put the spilled material into a convenient waste disposal container; keep container closed for disposal; finish cleaning by spreading water 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 dust formation; assure adequate ventilation where dust is formed; keep away from heat and ignition; avoid contact with skin and eyes

7.2 Conditions for safe storage, including any incompatibilities
Store at room temperature in a tightly closed container; use original container/packaging

7.3 Specific end use(s)
No data available

8. Exposure controls/personal protection

8.1 Control parameters
No data available

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
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>white tablets</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>7.4 at 25°C (when dissolved according to directions)</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>completely soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/ water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

9.2 Other information

No further information

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

Heat

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

In case of fire: sodium oxides, phosphorous oxides

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Serious eye damage/ eye irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

(Continued on page 26)
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
May cause respiratory irritation
May cause skin irritation
May cause eye irritation

12. Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

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.
Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number
ADR-RID: -
IMDG: -
IATA: -

14.2 UN proper shipping name
ADR-RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard class(es)
ADR-RID: -
IMDG: -
IATA: -

14.4 Packaging group
ADR-RID: -
IMDG: -
IATA: -

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.
SAFETY DATA SHEET: 24-0020
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-08-26

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

1.1 Product identifier
   Product name: Stop Solution
   Article number: 18-9006

1.2 Relevant identified uses of the substance or mixture, and uses advised against
   Identified uses: Laboratory chemical; stop solution for TMB substrate

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)
   Not classified as hazardous substance or mixture

2.2 Label elements
   Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
   Product does not need to be labelled in accordance with EU-directive or respective national laws.
   
   Signal word: -
   Hazard statement(s): -
   Precautionary statement(s): -

   Complementary hazard information: No further information

2.3 Other hazards
   No data available

3. Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Index-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>-</td>
<td>&gt;95 %</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sulphuric acid</td>
<td>7664-93-9</td>
<td>231-638-5</td>
<td>016-020-00-8</td>
<td>&lt;5 %</td>
<td>Working concentration is not classified as hazardous to health and environment</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1 Description of first aid measures
- If swallowed: Wash mouth immediately with water; 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 skin immediately thoroughly with soap and water; get medical attention.
- In case of eye contact: Wash thoroughly with plenty of clean water for at least 15 min; get medical attention.
- General advice: Get medical attention if you feel unwell; 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: dry chemical powder, water spray, fog, carbon dioxide or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
Sulphur oxides.

5.3 Advice for fire fighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
In case of fire: pressure will increase and container may burst.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapour/mist; wear lab coat; safety goggles, suitable protection gloves and boots; wash hands before and after use.

6.2 Environmental precautions
No data available.

6.3 Methods and material for containment and cleaning up
Stop leak; dilute with water; clean the surface with water; ventilate the room, for large spilling: collect spillage with non-combustible material such as sand or earth.

6.4 Reference to other sections
For disposal: see section 13.

7. Handling and storage

7.1 Precautions for safe handling
Avoid breathing vapour/mist; assure adequate ventilation, avoid contact with skin, eyes and clothes; keep away from heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities
Keep tightly closed; store at 2-8°C; keep container closed and protected from light and moisture.

7.3 Specific end use(s)
No data available.
8. Exposure controls/personal protection

8.1 Control parameters
Components with work control parameter

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Form: liquid; Colour: colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/ water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

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
Exposure to moisture and direct sun light

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
In case of fire: sulphur 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 (sulphuric acid)

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
No data available

12. Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

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.
Contaminated packaging: dispose of as unused product
14. Transport information

14.1 UN-number
   ADR-RID: -          IMDG: -          IATA: -

14.2 UN proper shipping name
   ADR-RID: Not dangerous goods
   IMDG: Not dangerous goods
   IATA: Not dangerous goods

14.3 Transport hazard class(es)
   ADR-RID: -          IMDG: -          IATA: -

14.4 Packaging group
   ADR-RID: -          IMDG: -          IATA: -

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.