

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

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

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

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 further information

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)
Water	7732-18-5	231-791-2	-	80-90 %	Not classified
1-methyl-2-pyrrolidinone	872-50-4	212-828-1	606-021-00-7	< 5 %	Skin Irrit 2, H315 Eye Irrit 2, H319
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

Appearance	Form: liquid
	Colour: colourless to slightly bluish
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	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

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

Inhalation	May be harmful if inhaled
Ingestion	May be harmful if swallowed
Skin	Causes skin irritation
Eye	Causes serious 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

(Continued on page 7)

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

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
<i>E. cuniculi</i> negative control serum	-	-	-	99.95%	Not classified
Sodium azide	26628-22-8	247-852-1	-	0.05%	Not classified

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

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
<i>E. cuniculi</i> positive control serum	-	-	-	99.95%	Not classified
Sodium azide	26628-22-8	247-852-1	-	0.05%	Not classified

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

17. 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

Appearance	Form: liquid; Colour: colourless
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	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 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

Appearance	white tablets
Odour	no data available
Odour threshold	no data available
pH	7.4 at 25°C (when dissolved according to directions)
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	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 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

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

(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**

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Water	7732-18-5	231-791-2	-	>95 %	Not classified
Sulphuric acid	7664-93-9	231-638-5	016-020-00-8	<5 %	Working concentration is not classified as hazardous to health and environment

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

Appearance	Form: liquid; Colour: colourless
Odour	odourless
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	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

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

