

SAFETY DATA SHEET



Revision date: 01-Jun-2015

Version: 2.0

Page 1 of 15

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

Product Identifier

Material Name: D-TEC® CB - Canine Brucellosis Antibody Test Kit

Trade Name: D-TEC® CB - Canine Brucellosis Antibody Test Kit
Chemical Family: Mixture

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Intended Use: Veterinary product used as diagnostic aid
Restrictions on Use: Not for human use

Details of the Supplier of the Safety Data Sheet

Zoetis Inc.
100 Campus Drive, P.O. Box 651
Florham Park, New Jersey 07932 (USA)
Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896
Product Support/Technical Services Phone: 1-800-366-5288

Zoetis Belgium S.A.
Mercuriusstraat 20
1930 Zaventem
Belgium

Emergency telephone number:
CHEMTREC (24 hours): 1-800-424-9300
Contact E-Mail: VMIPSrecords@zoetis.com

Emergency telephone number:
International CHEMTREC (24 hours): +1-703-527-3887

2. HAZARDS IDENTIFICATION

Appearance: Solid and liquid components

Classification of the Substance or Mixture

GHS - Classification

Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 2A
Skin Sensitization: Category 1
Reproductive Toxicity: Category 1A
Specific target organ systemic toxicity (repeated exposure): Category 2
Acute aquatic toxicity: Category 3
Chronic aquatic toxicity: Category 3
Flammable liquids- Category 4

EU Classification:

EU Indication of danger: Toxic

EU Symbol: T

EU Risk Phrases:

R38 - Irritating to skin.
R36 - Irritating to eyes.
R43 - May cause sensitization by skin contact.
R61 - May cause harm to the unborn child.

Label Elements

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 2 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

2. HAZARDS IDENTIFICATION

Signal Word: Danger

Hazard Statements: H227 - Combustible liquid
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H373 - May cause damage to organs through prolonged or repeated exposure (liver)
H360 - May damage fertility or the unborn child
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements: P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P370 + P378 - In case of fire: Use dry chemical, CO2, foam or water spray for extinction
P308 + P313 - IF exposed or concerned: Get medical attention/advice
P312 - Call a POISON CENTRE/doctor/physician if you feel unwell
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P403 + P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container in accordance with all local and national regulations



Other Hazards

Short Term: Can cause eye irritation . Signs and symptoms might include redness, swelling, blurred vision or pain. Can cause skin irritation. Allergic skin reactions can occur following direct or repeated contact with this material. Signs and symptoms might include skin rash, itching, redness or swelling. Vapors may cause drowsiness and irritation of the eyes or respiratory tract . Saponins have little toxicity for humans when ingested but have hemolytic effects when injected intravenously.

Long Term: May cause effects on kidneys , liver , central nervous system , developing fetus through prolonged or repeated exposure.

Australian Hazard Classification (NOHSC):

Hazardous Substance. Non-Dangerous Goods.

Note: This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 3 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Bovine serum albumin	9048-46-8	232-936-2	Not Listed	Acute tox. 4 (H302)	<20
Sodium Lauryl Sulfate	151-21-3	205-788-1	Xn R22 T R24	Acute Tox 4 (H302) Acute Tox 3 (H311)	5
EDTA	60-00-4	200-449-4	Xi; R36	Eye Irrit. 2A (H319) Acute Tox. 4 (H302)	<5
2-Mercaptoethanol	60-24-2	200-464-6	Not Listed	Acute tox 3 (H301) Acute tox 2 (H310) Acute tox 3 (H331) Eye irrit 2A (H319) Skin irrit 2 (H315) Skin sens. (H317) Flam liq 4 (H227) STOT RE 2 (H373) Aq. acute 1 (H400) Aq. chronic 1 (H410)	<5
Gentamicin sulfate	1405-41-0	215-778-9	Repr.Cat.1;R61 Xi;R43	Repr. Cat.1A (H360) Skin Sens. 1 (H317)	<5
Diammonium Salt (ABTS)	30931-67-0	250-396-6	Xi;36/37/38	Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335)	<5
Citric acid	77-92-9	201-069-1	Xi; R36	Eye Irrit. 2A (H319)	<5
Saponin	8047-15-2	Not Listed	Not Listed	Acute Tox. 4 (H302) Acute Tox. 3 (H331) Eye Irrit. 2A (H319)	<5
Phenol	108-95-2	Not Listed	Not Listed	Acute Tox. 3 (H301) Acute Tox. 3 (H311) STOT RE 2 (H373) Muta. 2 (H341) Skin Corr. 1B (H314) Acute Tox. 3 (H331)	<1
Isopropyl alcohol	67-63-0	200-661-7	F; R11 Xi; R36 R67	STOT SE 3 (H336) Flam. Liq. 2 (H225) Eye Irrit. 2A (H319)	<1

Additional Information:

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 4 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of First Aid Measures

Eye Contact:	Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
Skin Contact:	Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
Inhalation:	Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of Exposure:	For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.
Medical Conditions Aggravated by Exposure:	None known

Indication of the Immediate Medical Attention and Special Treatment Needed

Notes to Physician:	None
----------------------------	------

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish fires with CO2, extinguishing powder, foam, or water.

Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Products:	Formation of toxic gases is possible during heating or fire.
Fire / Explosion Hazards:	Combustible liquid. May generate flammable vapors. Fine particles (such as dust and mists) may fuel fires/explosions.

Advice for Fire-Fighters

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Avoid contact with skin, eyes and clothing

Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting:	Contain the source of the spill if it is safe to do so. Follow Biosafety Level 1 and Good Laboratory Practices. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity). Absorb spills with non-combustible absorbent material and transfer into a labeled container for disposal. Clean contaminated surface thoroughly. Prevent discharge to drains.
--	---

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 5 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Combustible liquid. Use with adequate ventilation. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding and bonding procedures. When handling, use appropriate personal protective equipment (see Section 8). Handle all reagents and samples as biohazardous material. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash hands and any exposed skin after removal of PPE. Releases to the environment should be avoided.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store in properly labeled containers. Store in cool place out of sun and away from heat. Keep away from heat, sparks, flame, and other sources of ignition.

Storage Temperature: 2-7°C. Do not freeze.

Specific end use(s): Veterinary product used as diagnostic aid

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

Sodium Lauryl Sulfate

Zoetis OEL TWA 8-hr 300µg/m³

2-Mercaptoethanol

Lithuania OEL - TWA 1 mg/m³

Phenol

ACGIH Threshold Limit Value (TWA)	5 ppm
ACGIH - Biological Exposure Limit:	250 mg/g creatinine
Australia TWA	1 ppm
	4 mg/m ³
Austria OEL - MAKs	2 ppm
	8 mg/m ³
Belgium OEL - TWA	2 ppm
	8 mg/m ³
Bulgaria OEL - TWA	8 mg/m ³
	2 ppm
Bulgaria - Biological Exposure Limit:	200 mg/L
Cyprus OEL - TWA	8 mg/m ³
	2 ppm
Czech Republic OEL - TWA	7.5 mg/m ³
Denmark OEL - TWA	1 ppm
	4 mg/m ³

Isopropyl alcohol

ACGIH Threshold Limit Value (TWA)	200 ppm
ACGIH Threshold Limit Value (STEL)	400 ppm
ACGIH - Biological Exposure Limit:	40 mg/L

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 6 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Australia STEL	500 ppm 1230 mg/m ³
Australia TWA	400 ppm 983 mg/m ³
Austria OEL - MAKs	200 ppm 500 mg/m ³
Belgium OEL - TWA	200 ppm 500 mg/m ³
Bulgaria OEL - TWA	980.0 mg/m ³
Czech Republic OEL - TWA	500 mg/m ³
Denmark OEL - TWA	200 ppm 490 mg/m ³
Estonia OEL - TWA	150 ppm 350 mg/m ³
Finland OEL - TWA	200 ppm 500 mg/m ³
Germany - TRGS 900 - TWAs	200 ppm 500 mg/m ³
Germany (DFG) - MAK	200 ppm 500 mg/m ³
Germany - Biological Exposure Limit:	25 mg/L
Greece OEL - TWA	400 ppm 980 mg/m ³
Hungary OEL - TWA	500 mg/m ³
Ireland OEL - TWAs	200 ppm
Japan - OELs - Ceilings	400 ppm 980 mg/m ³
Latvia OEL - TWA	350 mg/m ³
Lithuania OEL - TWA	150 ppm 350 mg/m ³
OSHA - Final PELs - TWAs:	400 ppm 980 mg/m ³
Poland OEL - TWA	900 mg/m ³
Portugal OEL - TWA	200 ppm
Romania OEL - TWA	81 ppm 200 mg/m ³
Romania - Biological Exposure Limit:	50 mg/L
Slovakia OEL - TWA	200 ppm 500 mg/m ³
Slovenia OEL - TWA	200 ppm 500 mg/m ³
Spain OEL - TWA	200 ppm 500 mg/m ³
Spain - Biological Exposure Limit:	40 mg/L
Sweden OEL - TWAs	150 ppm 350 mg/m ³
Switzerland OEL -TWAs	200 ppm 500 mg/m ³

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 7 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Gentamicin sulfate

Zoetis OEB

OEB 2 (control exposure to the range of 100ug/m³ to < 1000ug/m³)

Exposure Controls

Engineering Controls:

Engineering controls should be used as the primary means to control exposures. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. General room ventilation is adequate unless the process generates dust, mist or fumes.

Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands:

Wear impervious gloves if skin contact is possible.

Eyes:

Safety glasses or goggles

Skin:

Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

Respiratory protection:

If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Solid ; Liquid

Color:

No data available.

Odor:

No data available.

Odor Threshold:

No data available.

Molecular Formula:

No data available

Molecular Weight:

No data available

Solvent Solubility:

No data available

Water Solubility:

No data available

pH:

No data available.

Melting/Freezing Point (°C):

No data available

Boiling Point (°C):

No data available.

Partition Coefficient: (Method, pH, Endpoint, Value)

No data available

Decomposition Temperature (°C):

No data available.

Evaporation Rate (Gram/s):

No data available

Vapor Pressure (kPa):

No data available

Vapor Density (g/ml):

No data available

Relative Density:

No data available

Viscosity:

No data available

Flammability:

Autoignition Temperature (Solid) (°C):

No data available

Flammability (Solids):

No data available

Flash Point (Liquid) (°C):

67C / 152.6F Closed cup

Upper Explosive Limits (Liquid) (% by Vol.):

No data available

Lower Explosive Limits (Liquid) (% by Vol.):

No data available

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 8 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under normal conditions of use.
Possibility of Hazardous Reactions	
Oxidizing Properties:	No data available
Conditions to Avoid:	Extremes of temperature and direct sunlight. Keep away from heat, spark, flames and all other sources of ignition. Fine particles (such as dusts, mists and vapors) may fuel fires/explosions.
Incompatible Materials:	As a precautionary measure, keep away from strong oxidizers
Hazardous Decomposition Products:	Toxic fumes of carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen chloride and other chlorine-containing compounds may be emitted.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

General Information:

Toxicological properties of the formulation have not been investigated. The information in this section describes the potential hazards of the individual ingredients and the formulation. The antigens included in this product are non-infectious. All have been prepared from attenuated preparations of microorganisms. Routes of exposure: eye contact , skin contact

Acute Toxicity: (Species, Route, End Point, Dose)

Isopropyl alcohol

Rat Oral LD50 > 2000 mg/kg
Mouse Oral LD50 3600 mg/kg
Rat Inhalation LC50-8h 16,000 ppm
Rabbit Dermal LD50 12800 mg/kg
Rat Inhalation LC50 30mg/L

Sodium Lauryl Sulfate

Rat Oral LD50 977 mg/kg
Rabbit Dermal LD50 580mg/kg
Rat Inhalation LC50 > 3900mg/m³ 1 h

Gentamicin sulfate

Rat Oral LD50 > 5000 mg/kg
Rat Para-periosteal LD50 96mg/kg
Rat Intramuscular LD50 384mg/kg

Citric acid

Rat Oral LD50 3000 mg/kg

Saponin

Rat Oral LD50 1143.7 mg/kg
Rat Inhalation LC50 0.824 mg/L

Phenol

Rat Oral LD50 317 mg/kg
Rat Dermal LD50 669mg/kg

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 9 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

11. TOXICOLOGICAL INFORMATION

Rat Inhalation LC50 316mg/m³

2-Mercaptoethanol

Rat Oral LD 50 98 - 162 mg/kg

Rabbit Dermal LD 50 112 mg/kg

Rat Inhalation LC50 4h 2 mg/L

Inhalation Acute Toxicity

Based on components, inhalation may cause irritation, headache, drowsiness, dizziness, nausea, vomiting, diarrhea, dehydration, and symptoms of drunkenness. Allergic reactions might occur based on effects of the individual components.

Ingestion Acute Toxicity

Contains 2-Mercaptoethanol as a reagent. 2-Mercaptoethanol is toxic by ingestion and inhalation and may be fatal if absorbed through skin.

Irritation / Sensitization: (Study Type, Species, Severity)

Isopropyl alcohol

Eye Irritation Rabbit Severe

Skin Irritation Rabbit Mild

Citric acid

Eye Irritation Rabbit Severe

Skin Irritation Rabbit Mild

Phenol

Eye Irritation Rabbit Severe

Skin Irritation Rabbit Severe

2-Mercaptoethanol

Skin Irritation Rabbit Moderate

Eye Irritation Rabbit Severe

Skin Sensitization - GPMT Guinea Pig Positive

Irritation / Sensitization Comments: May cause eye irritation.

Skin Irritation / Sensitization May cause skin irritation. May cause allergic reactions in susceptible individuals.

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Isopropyl alcohol

20 Week(s) Rat Inhalation 4000 ppm NOAEL Liver, Central nervous system

104 Week(s) Rat Inhalation 5000 ppm Kidney

Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

Isopropyl alcohol

Prenatal & Postnatal Development Rat Inhalation 7,000 ppm LOAEL Maternal toxicity, Fetotoxicity, Embryotoxicity

2 Generation Reproductive Toxicity Rat Oral 1000 mg/kg/day LOAEL Maternal Toxicity, Fetal mortality

Prenatal & Postnatal Development Rat Oral 1200 mg/kg/day NOAEL No effects at maximum dose

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 10 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

11. TOXICOLOGICAL INFORMATION

Gentamicin sulfate

Embryo / Fetal Development	Rat	Intraperitoneal	375 mg/kg/day	LOAEL	Developmental toxicity
Prenatal & Postnatal Development	Rat	Subcutaneous	660 mg/kg/day	LOAEL	Developmental toxicity
Prenatal & Postnatal Development	Rat	Subcutaneous	660 mg/kg/day	LOAEL	Neonatal toxicity,

Reproductive & Development may have the potential to produce effects on the developing fetus.

Toxicity Comments:

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

Isopropyl alcohol

Bacterial Mutagenicity (Ames)	<i>Salmonella</i>	Negative
Mammalian Cell Mutagenicity	HGPRT Chinese Hamster Ovary (CHO) cells	Negative
<i>In Vitro</i> Sister Chromatid Exchange		Negative

Gentamicin sulfate

DNA Binding Assay	<i>E. coli</i>	Negative
-------------------	----------------	----------

2-Mercaptoethanol	Bacteria	Positive
--------------------------	----------	----------

Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

Isopropyl alcohol

IARC: Group 3 (Not Classifiable)

Product Level Toxicity Data

Acute Toxicity Estimate (ATE), oral	>5000 mg/kg
Acute Toxicity Estimate (ATE), inhalation (dust/mist)	>5 mg/l
Acute Toxicity Estimate (ATE), dermal	>5000 mg/kg

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 11 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

12. ECOLOGICAL INFORMATION

Environmental Overview:

Environmental properties of the formulation have not been investigated. The following information is available for the individual ingredients. Releases to the environment should be avoided.

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

2-Mercaptoethanol

Daphnia magna (Water Flea) OECD EC50 48 Hours 0.89 mg/L

Leuciscus idus (Golden orfe) LC50 96 Hours 46 - 100 mg/L

Desmodesmus subcapitata (Green Alga) EC50 72 Hours 12 mg/L

Persistence and Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Observe all local and national regulations when disposing of this material. Incineration is the recommended method of disposal for this material. Waste of this product may qualify as a RCRA Hazardous Waste. Status should be confirmed by testing for RCRA hazardous characteristics (i.e. corrosivity, toxicity, reactivity, or ignitability).

14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

DOT

Requirements for combustible liquids do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant. See 49 CFR 173.150 for details.

U.S. DOT Reportable Quantity (RQ), 49 CFR 172.101 Appendix A:

EDTA

**CERCLA/SARA Hazardous Substances
and their Reportable Quantities:**

5000 lb
2270 kg

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 12 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

15. REGULATORY INFORMATION

Canada - WHMIS: Classifications

WHMIS hazard class:

Class D, Division 2, Subdivision A

Class D, Division 2, Subdivision B

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.



Bovine serum albumin

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	232-936-2

Sodium Lauryl Sulfate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 6
EU EINECS/ELINCS List	205-788-1

EDTA

CERCLA/SARA 313 Emission reporting	Not Listed
CERCLA/SARA Hazardous Substances and their Reportable Quantities:	5000 lb 2270 kg
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 4
EU EINECS/ELINCS List	200-449-4

2-Mercaptoethanol

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 6
EU EINECS/ELINCS List	200-464-6

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 13 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

15. REGULATORY INFORMATION

Gentamicin sulfate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Aminoglycosides- developmental
Australia (AICS):	Present
EU EINECS/ELINCS List	215-778-9

Diammonium Salt (ABTS)

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	250-396-6

Citric acid

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	201-069-1

Saponin

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

Phenol

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

Isopropyl alcohol

CERCLA/SARA 313 Emission reporting	1.0 %
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-661-7

16. OTHER INFORMATION

Text of R phrases and GHS Classification abbreviations mentioned in Section 3

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 14 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

Acute toxicity, oral-Cat.4; H302 - Harmful if swallowed
Acute toxicity, dermal-Cat.3; H311 - Toxic in contact with skin
Serious eye damage/eye irritation-Cat.2A; H319 - Causes serious eye irritation
Reproductive toxicity-Cat.1A; H360 - May damage fertility or the unborn child
Skin corrosion/irritation-Cat.2; H315 - Causes skin irritation
Specific target organ toxicity, single exposure; Respiratory tract irritation-Cat.3; H335 - May cause respiratory irritation
Acute toxicity, inhalation-Cat.3; H331 - Toxic if inhaled
Acute toxicity, oral-Cat.3; H301 - Toxic if swallowed
Hazardous to the aquatic environment, acute toxicity-Cat.1; H400 - Very toxic to aquatic life
Hazardous to the aquatic environment, chronic toxicity-Cat.1; H410 - Very toxic to aquatic life with long lasting effects
Specific target organ toxicity, repeated exposure-Cat.2; H373 - May cause damage to organs through prolonged or repeated exposure
Germ cell mutagenicity-Cat.2; H341 - Suspected of causing genetic defects
Specific target organ toxicity, single exposure; Narcotic effects-Cat.3; H336 - May cause drowsiness and dizziness
Flammable liquids-Cat.2; H225 - Highly flammable liquid and vapor
Skin corrosion/irritation-Cat.1A; H314 - Causes severe skin burns and eye damage
Oxidizing liquids-Cat.1; H271 - May cause fire or explosion; strong oxidizer
Acute toxicity, inhalation-Cat.4; H332 - Harmful if inhaled
Specific target organ toxicity, single exposure-Cat.1; H370 - Causes damage to organs
Sensitization, skin-Cat.1; H317 - May cause an allergic skin reaction
Acute toxicity, dermal-Cat.2; H310 - Fatal in contact with skin
Flammable liquids-Cat.4; H227 - Combustible liquid

Xn - Harmful

T - Toxic

Xi - Irritant

Toxic to reproduction: Category 1

N - Dangerous for the environment

F - Highly flammable

C - Corrosive

O - Oxidizing

R22 - Harmful if swallowed.

R23 - Toxic by inhalation.

R24 - Toxic in contact with skin.

R25 - Toxic if swallowed.

R36 - Irritating to eyes.

R61 - May cause harm to the unborn child.

R43 - May cause sensitization by skin contact.

R11 - Highly flammable.

R67 - Vapors may cause drowsiness and dizziness.

R35 - Causes severe burns.

R 5 - Heating may cause an explosion.

R 8 - Contact with combustible material may cause fire.

R23/25 - Toxic by inhalation and if swallowed.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R20/22 - Harmful by inhalation and if swallowed.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Data Sources:

The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

SAFETY DATA SHEET

Material Name: D-TEC® CB - Canine Brucellosis Antibody

Page 15 of 15

Test Kit

Revision date: 01-Jun-2015

Version: 2.0

Reasons for Revision:

Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking.
Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on
Ingredients. Updated Section 5 - Fire Fighting Measures. Updated Section 6 - Accidental
Release Measures. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure
Controls / Personal Protection. Updated Section 9 - Physical and Chemical Properties.
Updated Section 11 - Toxicology Information. Updated Section 15 - Regulatory Information.
Updated Section 12 - Ecological Information.

Prepared by:

Toxicology and Hazard Communication
Zoetis Global Risk Management

Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

End of Safety Data Sheet