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

Product name(s)	Feline Immunodeficiency Virus Antibody Test Kit (PetChek FIV Ab) Canine Heartworm Antigen Test Kit (PetChek HTWM PF)
Product code(s)	99-06046, 99-09279, 99-11196 99-09278, 99-09483, 99-28080
Identified uses	For veterinary use only.

Company	IDEXX Laboratories, Inc.	IDEXX Laboratories Pty Ltd.	IDEXX Europe B.V.
	One IDEXX Drive	Metro Centre	Scorpius 60 Building F
	Westbrook, ME 04092	Unit 20, 38-46 South Street	Hoofddorp 2132 LR
	United States	Rydalmere, NSW 2116 Australia	The Netherlands
Telephone	1-800-548-6733	1-800-655-978	00800 727 43399
Fax	1-207-556-4346	1-800-634-409	00800 433 99329

24-hour Emergency Phone #	CHEMTREC 1-800-424-9300 Outside U.S. +(00)-1-703-527-3887 Australia +(61)-290372994 New Zealand +(64)-98010034 Singapore +(65)-31581349 South Africa 0-800-983-611 United Kingdom +(44)-870-8200418

2. HAZARDS IDENTIFICATION

GHS Classification

Stop solution
Skin Irritation, Category 3
Eye Irritation, Category 2
Pictogram

Signal Word	Warning	
Hazard statement(s)	H316	Causes mild skin irritation.
	H319	Causes serious eye irritation.
Precautionary statement(s)	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves/eye protection/face protection.
	P332+P313	If skin irritation occurs: Get medical advice/attention.
	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.

Conjugate, Negative control, Positive control, Substrate solution, Wash solution
Not a hazardous substance according to GHS.

Classification according to Regulation (EC) No1272/2008

Conjugate, Negative control, Positive control

Hazard statement(s)	EUH208	Contains Kathon. May produce an allergic reaction.

Stop solution
Eye Irritation, Category 2
Pictogram

Signal Word	Warning	
Hazard statement(s)	H319	Causes serious eye irritation.
Precautionary statement(s)	P264	Wash hands thoroughly after handling.
	P280	Wear eye protection.
	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.

Substrate solution, Wash solution
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Conjugate, Negative control, Positive control

Component	CAS-No.	EC-No.	Index-No.	RTECS-No.	Concentration
Kathon	-	-	-	-	≤ 0.5%

Stop solution

Component	CAS-No.	EC-No.	Index-No.	RTECS-No.	Concentration
Sodium dodecyl sulfate (SDS)	151-21-3	205-788-1	-	WT1050000	≤ 1.0%

Substrate solution

Component	CAS-No.	EC-No.	Index-No.	RTECS-No.	Concentration
Dimethyl sulfoxide (DMSO)	67-68-5	200-664-3	-	PV6210000	< 17%
Methanol	67-56-1	200-659-6	603-001-00-X	PC1400000	< 1.0%

Wash solution

Component	CAS-No.	EC-No.	Index-No.	RTECS-No.	Concentration
Components that are not hazardous or do not need to be disclosed according to applicable regulations	-	-	-	-	100%

4. FIRST AID MEASURES

Description of first aid measures

IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN:	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF SWALLOWED:	Rinse mouth.

Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

no data available

5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides.

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment as required. Wash hands thoroughly after handling.

Environmental precautions
Avoid release to the environment.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling
Use personal protective equipment as required. Wash hands thoroughly after handling.

Conditions for safe storage
Store in a well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)
For veterinary use only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Component	CAS-No.	Value	Control parameters	Basis
DMSO	67-68-5	TWA	250 ppm	USA. Workplace Exposure Levels (WEEL)
Methanol	67-56-1	STEL	250 ppm (328 mg/m3)	Australia. Workplace Exposure Standards for Airborne Contaminants.
		TWA	200 ppm (262 mg/m3)	
		TWA	200 ppm	Canada. British Columbia OEL
		STEL	250 ppm	
		TWA	200 ppm (262 mg/m3)	Canada. Alberta, Occupational Health and Safety Code (Table 2: OEL)
		STEL	250 ppm (328 mg/m3)	

		TWAEV	200 ppm (262 mg/m3)	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		STEV	250 ppm (328 mg/m3)	
		TWA	200 ppm (260 mg/m3)	Europe. Indicative occupational exposure limit values.
		WES-TWA	200 ppm (262 mg/m3)	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
		WES-STEL	250 ppm (328 mg/m3)	
		PEL (long term)	200 ppm (262 mg/m3)	Singapore. Workplace Safety and Health Act - First Schedule Permissible Exposure Limits of Toxic Substances
		PEL (short term)	250 ppm (328 mg/m3)	
		STEL	250 ppm (333 mg/m3)	UK. EH40 WEL – Workplace Exposure Limits
		TWA	200 ppm (266 mg/m3)	
		TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	250 ppm	
		TWA	200 ppm (260 mg/m3)	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		STEL	250 ppm (325 mg/m3)	
		TWA	200 ppm (260 mg/m3)	USA. NIOSH Recommended Exposure Limits
		STEL	250 ppm (325 mg/m3)	

Derived No Effect Level (DNEL) – Methanol

Application Area	Exposure routes	Health effect	Value
Workers	Inhalation	Acute local effects Acute systemic effects Long-term systemic effects Long-term local effects	260 mg/m3
	Skin contact	Acute local effects Long-term systemic effects	40 mg/kg BW/d
Consumers	Skin contact	Acute local effects Long-term systemic effects	8 mg/kg BW/d
	Inhalation	Acute local effects Acute systemic effects Long-term systemic effects Long-term local effects	50 mg/m3
	Ingestion	Acute local effects Long-term systemic effects	8 mg/kg BW/d

Predicted No Effect Concentration (PNEC) – Methanol

Compartment	Value
Soil	23.5 mg/kg
Marine water	15.5 mg/l
Fresh water	154 mg/l
Fresh water sediment	570.4 mg/kg
Onsite sewage treatment plant	100 mg/kg

Biological occupational exposure limits

Component	CAS-No.	Parameters	Value	Biological Specimen	Basis

Methanol	67-56-1	Methyl alcohol	15 mg/l	Urine	New Zealand. Biological Exposure Indices

Exposure controls
Handle in accordance with good industrial hygiene and safety practice. Do not get in eye, on skin, or on clothing.

Personal protective equipment

Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Skin protection	Handle with gloves.
Eye protection	Safety glasses.
Body protection	Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

	Conjugate	Negative,Positive control	Stop solution
Form	liquid	liquid	liquid
Color (Colour)	no data available	no data available	no data available
Odor (Odour)	no data available	no data available	no data available
Odor Threshold	no data available	no data available	no data available
pH	6.0 – 8.0	6.0 – 8.0	4.5 – 5.5
Melting point	no data available	no data available	no data available
Initial boiling point	no data available	no data available	no data available
Flash point	not applicable	not applicable	not applicable
Evaporation rate	no data available	no data available	no data available
Flammability	not applicable	not applicable	not applicable
Upper/lower flammability or explosive limits	no data available	no data available	no data available
Vapor (Vapour) pressure	no data available	no data available	no data available
Vapor density	no data available	no data available	no data available
Relative density	no data available	no data available	no data available
Water solubility	soluble	soluble	soluble
Partition coefficient: n-octanol/water	no data available	no data available	no data available
Autoignition temperature	no data available	no data available	no data available
Decomposition temperature	no data available	no data available	no data available
Viscosity	no data available	no data available	no data available
Explosive properties	no data available	no data available	no data available
Oxidizing properties	no data available	no data available	no data available

	Substrate solution	Wash solution
Form	liquid	liquid
Color (Colour)	no data available	no data available
Odor (Odour)	no data available	no data available
Odor Threshold	no data available	no data available
pH	5.0 – 6.0	6.0 – 8.0
Melting point	no data available	no data available
Initial boiling point	no data available	no data available
Flash point	> 93°C	not applicable
Evaporation rate	no data available	no data available
Flammability	not applicable	not applicable
Upper/lower flammability or explosive limits	no data available	no data available
Vapor (Vapour) pressure	no data available	no data available
Vapor density	no data available	no data available
Relative density	no data available	no data available

Water solubility	soluble	soluble
Partition coefficient: n-octanol/water	no data available	no data available
Autoignition temperature	no data available	no data available
Decomposition temperature	no data available	no data available
Viscosity	no data available	no data available
Explosive properties	no data available	no data available
Oxidizing properties	no data available	no data available

10. STABILITY AND REACTIVITY

Reactivity	no data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	Carbon oxides, Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

DMSO

Acute toxicity	LD50 Oral - rat - 14,500 mg/kg LC50 Inhalation - rat - 4 h - 40250 ppm LD50 Dermal - rabbit - > 5,000 mg/kg
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: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	Reproductive toxicity - mouse - Oral Effects on Fertility: Pre-implantation mortality Effects on Embryo or Fetus: Fetotoxicity Specific Developmental Abnormalities: Musculoskeletal system.
Specific Target Organ Toxicity – Single Exposure	no data available
Specific Target Organ Toxicity – Repeated Exposure	no data available
Aspiration hazard	no data available

Kathon

Acute toxicity	LD50 Oral - rat – 2,630 mg/kg
Skin corrosion/irritation	Skin - rabbit - Corrosive
Serious eye damage/eye irritation	Eyes - rabbit - Corrosive to eyes
Respiratory or skin sensitization	guinea pig - May cause sensitization by skin contact.
Germ cell mutagenicity	no data available
Carcinogenicity	IARC: 2A - Group 2A: Probably carcinogenic to humans
Reproductive toxicity	no data available
Specific Target Organ Toxicity – Single Exposure	Inhalation - May cause respiratory irritation.
Specific Target Organ Toxicity – Repeated Exposure	no data available

Aspiration hazard	no data available

Methanol

Acute toxicity	LD50 Oral - rat - 1,187 – 2,769 mg/kg LC50 Inhalation - rat - 4 h - 128.2 mg/l LD50 Dermal - rabbit - 17,100 mg/kg
Skin corrosion/irritation	Skin - rabbit - No skin irritation
Serious eye damage/eye irritation	Eyes - rabbit – No eye irritation
Respiratory or skin sensitization	guinea pig - Does not cause skin sensitization.
Germ cell mutagenicity	Ames test - S. typhimurium – negative. in vitro assay – fibroblast - negative - Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) - mouse - male and female – negative.
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	Damage to fetus not classifiable Fertility classification not possible from current data.
Specific Target Organ Toxicity – Single Exposure	Causes damage to organs.
Specific Target Organ Toxicity – Repeated Exposure	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration hazard	No aspiration toxicity classification

SDS

Acute toxicity	LD50 Oral - rat - 1,288 mg/kg LC50 Inhalation - rat - 1 h - > 3,900 mg/m3 LD50 Dermal - rabbit - 580 mg/kg
Skin corrosion/irritation	Skin - rabbit - Skin irritation - 24 h
Serious eye damage/eye irritation	Eyes - rabbit - Risk of serious damage to eyes.
Respiratory or skin sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity	no data available
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	no data available
Specific Target Organ Toxicity – Single Exposure	Inhalation - May cause respiratory irritation.
Specific Target Organ Toxicity – Repeated Exposure	no data available
Aspiration hazard	no data available

12. ECOLOGICAL INFORMATION

DMSO

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 34,000 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 35,000 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia pulex (Water flea) - 27,500 mg/l
Toxicity to algae	no data available

Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Kathon

Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Methanol

Toxicity to fish	mortality LC50 - Lepomis macrochirus (Bluegill) - 15.400,0 mg/l - 96 h NOEC - Oryzias latipes - 7.900 mg/l - 200 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 10,000.00 mg/l - 48 h
Toxicity to algae	Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 22,000 mg/l - 96
Persistence and degradability	Biodegradability aerobic - Exposure time 5 d Result: 72 % - rapidly biodegradable
Bioaccumulative potential	Bioaccumulation Cyprinus carpio (Carp) - 72 d at 20 °C -5 mg/l Bioconcentration factor (BCF): 1.0
Mobility in soil	Will not adsorb on soil.
PBT and vPvB assessment	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
Other adeverse effects	Biochemical Oxygen Demand (BOD) - 600 - 1,120 mg/g Chemical Oxygen Demand (COD) - 1,420 mg/g Theoretical oxygen demand - 1,500 mg/g Stability in water at 19 °C83 - 91 % - 72 h Remarks: Hydrolyses on contact with water. Hydrolyses readily.

SDS

Toxicity to fish	mortality NOEC - Oncorhynchus mykiss (rainbow trout) - 19.5 mg/l - 96 h mortality LOEC - Pimephales promelas (fathead minnow) - 4.6 mg/l - 8 d LC50 - Oncorhynchus mykiss (rainbow trout) - 3.6 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	Growth inhibition LOEC - Pseudokirchneriella subcapitata - 2.68 mg/l - 6 d
Persistence and degradability	Biodegradability Result: 90 % - Readily biodegradable. Ratio BOD/ThBOD – 95.9%
Bioaccumulative potential	Bioaccumulation Cyprinus carpio (Carp) - 72 h Bioconcentration factor (BCF): 3.9 - 5.3
Mobility in soil	no data available
PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not

	required/not conducted.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

Dispose of contents in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

16. OTHER INFORMATION

none