

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

1.1 Product identifier

Tetravet Spray

HSNO Approval Number : HSR100757

ACVM number : A006892

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Veterinary medicine

1.3 Details of the supplier of the safety data sheet

Company

Bayer New Zealand Limited
3 Argus Place
0627 HILLCREST, AUCKLAND, NEW ZEALAND
NEW ZEALAND
Tel.: 0800 652 488
Fax: 0800 229 838
Mail: bhc-md-oeko@bayer.com

1.4 Emergency telephone number

In case of emergency: 0800 734 607 IXOM SH&E Shared services (24hr)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

3.1: Flammable Liquids : Category B
6.1: Acute toxicity (Oral) : Category C
6.1: Acute toxicity (Inhalation) : Category C
6.1: Acute toxicity (Dermal) : Category C
6.4: Eye irritation : Category A
6.8: Toxic to Reproduction : Category B
6.9: Specific Target Organ Toxicity (Inhalation) : Category A
6.9: Specific Target Organ Toxicity : Category A
9.1: Aquatic toxicity (Acute or Chronic) : Category B

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

9.3: Ecotoxic to terrestrial vertebrates : Category C

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H433 Harmful to terrestrial vertebrates.

Precautionary statements :

Prevention:

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.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P370 + P378 In case of fire: Use water spray for extinction.
P330 Rinse mouth.
P391 Collect spillage.

SAFETY DATA SHEET

Tetravet Spray



Version
1.0

Revision Date:
13.06.2019

SDS Number:
122000008347

Date of last issue: -
Date of first issue: 13.06.2019

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Methanol	67-56-1	>= 90 -<= 100
Oxytetracycline hydrochloride	2058-46-0	>= 2,5 -< 10
C.I. Basic Violet 3	548-62-9	>= 0,1 -< 0,25

SECTION 4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24hr emergency service).
- If inhaled : Remove to fresh air.
Call a physician immediately.
- In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.
If skin reactions occur, contact a physician.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : No information available.

SECTION 5. FIREFIGHTING MEASURES

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

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Fire may cause evolution of:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- Specific extinguishing methods : Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
No special precautions required.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : No special protective measures against fire required.
- Advice on safe handling : Avoid formation of aerosol.
Use with local exhaust ventilation.
Avoid contact with skin, eyes and clothing.
- Conditions for safe storage : For storage suitable stores with adequate product-reception volume must be used.
During handling local official regulations must be observed in order to avert impairment of water by the product.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methanol	67-56-1	WES-TWA	200 ppm 262 mg/m ³	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring, Skin absorption			
		WES-STEL	250 ppm 328 mg/m ³	NZ OEL
	Further information: Exposure can also be estimated by biological			

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

	monitoring, Skin absorption			
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentra-tion	Basis
Methanol	67-56-1	Methyl al-cohol	Urine	End of shift	15 mg/l	NZ BEI
		Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

Personal protective equipment

- Respiratory protection : Recommended respiratory protection: full mask with filter ABEK-ST (ABEK-P3)
- Hand protection
Material : Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC wear
- Remarks : Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.
- Eye protection : Safety glasses
- Protective measures : Wear suitable protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : blue
- Odour : alcohol-like
- Flash point : 12 °C (1.013 hPa)
- Density : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Explosive properties : No statements available.
- Oxidizing properties : No data available
- Impact sensitivity : No data available

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

Minimum ignition energy : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reactions : No data available

Conditions to avoid : No data available

Incompatible materials : Oxidizing agents

Hazardous decomposition products : Carbon monoxide (CO)
Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 102,46 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate (ATE): 3,08 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate (ATE): 308,32 mg/kg
Method: Calculation method

Components:

Methanol:

Acute oral toxicity : LD50 (Rat): > 1.187 - 2.769 mg/kg
Method: Standard acute method

Acute inhalation toxicity : LC50 (Rat): 128,2 mg/l, 98000 ppm
Exposure time: 4 h
Test atmosphere: vapour
Method: Standard acute method

Acute dermal toxicity : Method: Expert judgement
Assessment: The component/mixture is toxic after single contact with skin.

Oxytetracycline hydrochloride:

Acute oral toxicity : LD50 (Mouse): 6.696 mg/kg

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

Acute toxicity (other routes of administration) : LD50 (Rat): 800 mg/kg
Application Route: Subcutaneous

LD50 (Rat): 302 mg/kg
Application Route: intravenous

C.I. Basic Violet 3:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Skin corrosion/irritation

Components:

Methanol:

Species: Rabbit
Method: BASF-Test
Result: No skin irritation

Serious eye damage/eye irritation

Components:

Methanol:

Species: Rabbit
Result: Moderate eye irritation
Assessment: The available study results do not lead to a GHS classification
Method: BASF-Test

C.I. Basic Violet 3:

Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Components:

Methanol:

Species: Guinea pig
Method: OECD 406
Result: Did not cause sensitisation on laboratory animals.

Chronic toxicity

Germ cell mutagenicity

Components:

Methanol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Method: OECD 471
Result: No evidence of a genotoxic effect.

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

Test Type: V79-HPRT Forward Mutation Assay
Test system: Hamster V79-cells
Method: OECD 476
Result: No evidence of a genotoxic effect.

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Result: No evidence of a genotoxic effect.

Carcinogenicity

Components:

Methanol:

Species: Rat
Application Route: Inhalation
Method: OECD 453
Result: Animal testing did not show any carcinogenic effects.

C.I. Basic Violet 3:

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

Reproductive toxicity

Components:

Methanol:

Effects on fertility : Species: Rat
Application Route: Inhalation
General Toxicity - Parent: NOAEL: 1,3 mg/l
General Toxicity F1: NOAEL: 0,13 mg/l
General Toxicity F2: NOAEL: 0,13 mg/l
Method: OECD 416

Effects on foetal development : Species: Rat
Application Route: Inhalation
Method: OECD 414
Result: Did not show teratogenic effects in animal experiments.

Species: Mouse
Application Route: Oral
Developmental Toxicity: NOAEL: 5.000 mg/kg body weight
Method: OECD 414
Result: Evidence of an embryotoxic effect in animal studies at doses which are not harmful to the parent animals.

Species: Mouse
Application Route: Inhalation
Method: OECD 414
Result: Evidence of an embryotoxic effect in animal studies at doses which are not harmful to the parent animals.

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

Oxytetracycline hydrochloride:

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

STOT - single exposure

Components:

Methanol:

Target Organs: Eyes, Central nervous system
Assessment: Causes damage to organs.

Repeated dose toxicity

Components:

Methanol:

Species: Monkey
10000 ppm
LOAEL: 3,9 mg/l, 3000 ppm
Application Route: inhalation (vapour)
Exposure time: 20 days 21 h
Number of exposures: Once daily
Symptoms: Coma, Fatality

Species: Rat
NOAEL: 5000 ppm
LOAEL: 500 ppm
Application Route: inhalation (vapour)
Exposure time: 28-day
Number of exposures: 6 hours a day, 5 days per week

Experience with human exposure

Components:

Methanol:

General Information : Breathing of the fumes may lead to narcotic symptoms.

Further information

Components:

Methanol:

Remarks: Dermal absorption possible

Remarks: After absorption
Headache
Drowsiness
Dizziness
drowsiness
Unconsciousness
Coma

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

Oxytetracycline hydrochloride:

Pharmaceutic effects
Remarks: Antibiotic

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Methanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 28.100 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

Toxicity to microorganisms : EC0 (Pseudomonas putida): 6.600 mg/l

Oxytetracycline hydrochloride:

Toxicity to fish : LC50 (Salvelinus namaycush (lake trout)): < 200 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

C.I. Basic Violet 3:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

Methanol:

Biodegradability : aerobic
Result: rapidly biodegradable
Biodegradation: 95 %
Exposure time: 20 d
Method: Directive 67/548/EEC Annex V, C.4.E.

Biochemical Oxygen Demand (BOD) : 1.067 mg/g
Incubation time: 5 d

BOD/COD : BOD/COD: 71,5 %

ThOD : 1.498 mg/g

Bioaccumulative potential

No data available

SAFETY DATA SHEET

Tetravet Spray



Version 1.0 Revision Date: 13.06.2019 SDS Number: 122000008347 Date of last issue: -
Date of first issue: 13.06.2019

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Contaminated, empty containers are to be treated in the same way as the contents.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 1986
Proper shipping name : ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (METHANOL)
Class : 3
Subsidiary risk : 6.1
Packing group : II
Labels : 3, 3, 6.1
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : Not permitted for transport
Environmentally hazardous : yes

IMDG-Code

UN number : UN 1986
Proper shipping name : ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (METHANOL)
Class : 3
Subsidiary risk : 6.1
Packing group : II
Labels : 3 (6.1)
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SAFETY DATA SHEET

Tetravet Spray



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.06.2019	122000008347	Date of first issue: 13.06.2019

National Regulations

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR100757

HSNO Controls

Approved handler certificate required

HSNO tracking required

Refer to EPA user guide to the HSNO control regulations for further information.

The components of this product are reported in the following inventories:

NZIoC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

SAFETY DATA SHEET

Tetravet Spray



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.06.2019	122000008347	Date of first issue: 13.06.2019

Date format	:	dd.mm.yyyy
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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