# **SAFETY DATA SHEETS**

# This SDS packet was issued with item:

078390368

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078483082



# MATERIAL SAFETY DATA SHEET

| IDENTITY                                                                                                                                    |        |           |              |           |                          |           |          |              |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--------------|-----------|--------------------------|-----------|----------|--------------|
| Lepto Shield 5 – Bacterin                                                                                                                   |        |           |              |           | Product #                | 125       |          |              |
| Section I                                                                                                                                   |        |           |              |           | 1100000                  | 120       |          |              |
| Manufacturer's Name                                                                                                                         | 1      | Emergen   | cy Telephone | Numb      | er                       |           |          |              |
| Novartis Animal Health US, Inc.                                                                                                             |        |           | 4-3424       |           |                          |           |          |              |
| Address (Number, Street, City, State, and Zip Code)                                                                                         |        |           | e Number fo  | r Inform  | mation                   |           |          |              |
| , , , , , , , , , , , , , , , , , , , ,                                                                                                     |        | -         | 3-3386       |           |                          |           |          |              |
| 1447 140th Street                                                                                                                           | 1      | Date Prep | pared        |           | Revised Date             | e:        |          |              |
|                                                                                                                                             | ]      | Novem     | ber 18, 19   | 92        | May 23, 2                | 2013      |          |              |
| Larchwood, IA 51241-9778                                                                                                                    | 5      | Signature | of Preparer  | (option   | al)                      |           |          |              |
| Section II - Hazardous Ingredients/Identity                                                                                                 | Inform | ation     |              |           |                          |           |          |              |
| Hazardous Components (Specific Chemical Identity;                                                                                           | Commo  | n Name(   |              | HA<br>PEL | ACGIH<br>TLV             | Other lim |          | onal)        |
| Thimerosal (merthiolate)                                                                                                                    |        |           |              |           | ng of Hg/ m <sup>3</sup> | Recomme   | ` I      | < 0.01       |
| i iliniciosai (ilicitilioiaic)                                                                                                              |        |           |              | ).U1 II   | ig of fig/ III           |           |          | <u> 0.01</u> |
| Thimerosal is an organomercury compoun                                                                                                      | d.     |           |              |           |                          |           |          |              |
| Formaldehyde                                                                                                                                |        |           |              | 0.75      | 5 ppm 0.3 p              | pm        | <u> </u> | ≤ 0.5        |
| Section III - Physical/Chemical Characterist  Boiling Point                                                                                 | NA     |           | Specific (   | Gravity   | $y (H_2O = 1)$           |           | N.A      | A            |
| Vapor Pressure (mm Hg.)                                                                                                                     | NA     |           | Melting P    | oint      |                          |           | N/       | A            |
| Vapor Density (AIR = 1)                                                                                                                     | NA     |           | Evaporati    |           |                          |           | N/       | <b>A</b>     |
|                                                                                                                                             |        |           | (Butyl Ac    | etate =   | = 1)                     |           |          |              |
| Solubility in Water                                                                                                                         |        |           |              |           |                          |           |          |              |
| Yes                                                                                                                                         |        |           |              |           |                          |           |          |              |
| Appearance and Odor                                                                                                                         |        |           |              |           |                          |           |          |              |
| Opaque liquid                                                                                                                               |        |           |              |           |                          |           |          |              |
| Section IV - Fire and Explosion Hazard Data                                                                                                 | a      | El        | 11 7 1       |           | TET                      |           | TIPI     |              |
| Flash Point (Method Used) NA                                                                                                                |        | Flam      | mable Limits | s<br>NA   | LEL                      | NA        | UEL NA   | <u> </u>     |
| Extinguishing Media  Dry chemical or car                                                                                                    | bon di | oxide     |              |           |                          |           |          |              |
| Special Fire Fighting Procedures Wear protective clothing and a self contained breathing apparatus as appropriate for the surrounding fire. |        |           |              |           |                          |           |          |              |
| Unusual Fire and Explosion Hazards None                                                                                                     |        |           |              |           |                          |           |          |              |

# Page 2 MSDS of Lepto Shield 5 - Bacterin

| Stability Unstable Conditions to Avoid Thimerosal will decompose with heat.  Stable X  Incompatibility (Materials to Avoid)  None  Hazardous Decomposition or Byproducts Mercury, carbon monoxide, or carbon dioxide |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Incompatibility (Materials to Avoid)  None                                                                                                                                                                           |  |  |  |  |  |
| None                                                                                                                                                                                                                 |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Hazardous Decomposition or Byproducts Mercury, carbon monoxide, or carbon dioxide                                                                                                                                    |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Hazardous May Occur Conditions to Avoid None Polymerization                                                                                                                                                          |  |  |  |  |  |
| Will Not Occur X                                                                                                                                                                                                     |  |  |  |  |  |
| Section VI - Health Hazard Data                                                                                                                                                                                      |  |  |  |  |  |
| Route(s) of Entry: Inhalation? Skin? Ingestion?                                                                                                                                                                      |  |  |  |  |  |
| Yes Yes Yes                                                                                                                                                                                                          |  |  |  |  |  |
| Health Hazards (Acute and Chronic)  The product may be irritating in the case of skin or eye contact. Thimerosal is a toxic compound.                                                                                |  |  |  |  |  |
| The product may be irritating in the case of skin of eye contact. Thinlerosar is a toxic compound.                                                                                                                   |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Carcinogenicity: NPT? Yes IARC Monographs? Yes OSHA Regulated? Yes                                                                                                                                                   |  |  |  |  |  |
| Calcinogenicity. 11: 103 IARC Monographs: 103 Osti A Regulated: 103                                                                                                                                                  |  |  |  |  |  |
| Emergency and First Aid Procedures In case of skin or eye contact, flush with plenty of water. If the product is                                                                                                     |  |  |  |  |  |
| ingested, wash the mouth out with water and call a physician. In case of accidental injection, wash the                                                                                                              |  |  |  |  |  |
| puncture site and see a physician immediately.                                                                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Section VII - Precautions for Safe Handling and Use                                                                                                                                                                  |  |  |  |  |  |
| Steps to Be Taken in Case Material Is Released or Spilled                                                                                                                                                            |  |  |  |  |  |
| Clean up the spill with absorbent material, and afterwards, wash the site thoroughly with water.                                                                                                                     |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Waste Disposal Method                                                                                                                                                                                                |  |  |  |  |  |
| This product contains trace quantities of mercury. If discarded in its manufactured form, this product is a                                                                                                          |  |  |  |  |  |
| hazardous waste under RCRA (U.S.) and CEPA (Canada). It is the responsibility of the user to determine at the                                                                                                        |  |  |  |  |  |
| time of disposal whether a material containing the product or derived from the product should be classified as a                                                                                                     |  |  |  |  |  |
| solid or hazardous waste. Always dispose of this product in accordance with all applicable federal, state and                                                                                                        |  |  |  |  |  |
| local environmental regulations.                                                                                                                                                                                     |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Precautions to Be Taken in Handling and Storing  Deficients the graduat (20 to 70 C) (250 to 450 E). We at the containing above the graduate and above well                                                          |  |  |  |  |  |
| Refrigerate the product (2° to 7° C) {35° to 45° F}. Keep the container closed when stored, and shake well                                                                                                           |  |  |  |  |  |
| before using.                                                                                                                                                                                                        |  |  |  |  |  |
| Other Precautions N/A                                                                                                                                                                                                |  |  |  |  |  |
| Section VIII - Control Measures                                                                                                                                                                                      |  |  |  |  |  |
| Respiratory Protection (Specify Type)                                                                                                                                                                                |  |  |  |  |  |
| An approved cartridge respirator for large spills                                                                                                                                                                    |  |  |  |  |  |
| Ventilation Local Exhaust No Special NA                                                                                                                                                                              |  |  |  |  |  |
| Mechanical (General) Yes Other NA                                                                                                                                                                                    |  |  |  |  |  |
| Protective Gloves Eye Protection                                                                                                                                                                                     |  |  |  |  |  |
|                                                                                                                                                                                                                      |  |  |  |  |  |
| Vinyl or nitrile Goggles                                                                                                                                                                                             |  |  |  |  |  |
| Vinyl or nitrile Goggles Other Protective Clothing or Equipment                                                                                                                                                      |  |  |  |  |  |
| Vinyl or nitrile Goggles                                                                                                                                                                                             |  |  |  |  |  |

Page 3 MSDS of Lepto Shield 5 - Bacterin

| Section IX - Regulatory Inf                      | ormation                                                                                                                                                                                                                   |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transportation:                                  | UN-Number: FREE (under all transportation regulations) Class: This product is <u>not regulated as a dangerous good</u> when offered for transportation according to US DOT, EUADR, ICAO/IATA, IMDG or ADR/RID regulations. |
| Note: This product contains thimerosal (< 0.01%) | Thimerosal is a mercury compound which is subject to CWA, SDWA, CAA, RCRA, CERCLA, SARA (Secs. 312 and 313), DOT and 29 CFR 1910.1200 regulations.                                                                         |
| Note: This product contains Formaldehyde         | Formaldehyde is subject to SARA (Secs. 312 and 313), CERCLA, and 29 CFR 1910.1048 regulations                                                                                                                              |

This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. Accordingly, no guarantee expressed or implied is made by Novartis Animal Vaccines, Inc. as to the results to be obtained based upon your use of the information, nor does Novartis Animal Vaccines, Inc. assume any liability arising out of your use of the information.



# SAFETY DATA SHEET

#### 1. Identification

Product identifier Lepto Shield 5

Other means of identification

Item Code AV4235

**Recommended use** Veterinary Vaccine **Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information
Company Name
Elanco Animal Health

2500 Innovation Way Greenfield, IN 46140

US

**Phone:** 1-877-Elanco1 (1-877-352-6261)

Email: lilly\_msds@lilly.com

**Emergency Telephone** Elanco Product Technical Support / Human or Animal Exposure Reporting:

**Numbers:** 1-888-545-5973

**Transportation Emergency** 

Telephone:

CHEMTREC: 1-800-424-9300 (Outside U.S. 1-703-527-3887)

#### 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement** 

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

# 3. Composition/information on ingredients

#### **Mixtures**

| Chemical name | Common name and synonyms | CAS number | %        |
|---------------|--------------------------|------------|----------|
| Formaldehyde  |                          | 50-00-0    | <= 0.074 |
| Thimerosal    |                          | 54-64-8    | <= 0.01  |

Composition comments Remaining components of this product are non-hazardous and/or are present at concentrations

below reportable levels.

4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

Material name: Lepto Shield 5 SDS US

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having

convulsions. Get medical attention.

Most important

symptoms/effects, acute and

delayed

**General information** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media

Not available.

Specific hazards arising from

the chemical

Not applicable.

None known.

Special protective equipment

and precautions for firefighters

Wear suitable protective equipment.

General fire hazards No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

Personal precautions. protective equipment and emergency procedures

Not available.

Methods and materials for containment and cleaning up

Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth

and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills to original containers for re-use.

Avoid discharge into drains, water courses or onto the ground. **Environmental precautions** 

7. Handling and storage

Precautions for safe handling Observe good industrial hygiene practices.

Conditions for safe storage, Store in original tightly closed container. Keep refrigerated

Keep refrigerated: 2° to 7° C (35° to 45° F) including any incompatibilities

# 8. Exposure controls/personal protection

#### Occupational exposure limits

#### **US. ACGIH Threshold Limit Values**

| Components                      | Туре                        | Value      |  |
|---------------------------------|-----------------------------|------------|--|
| Formaldehyde (CAS 50-00-0)      | Ceiling                     | 0.3 ppm    |  |
| Thimerosal (CAS 54-64-8)        | STEL                        | 0.03 mg/m3 |  |
|                                 | TWA                         | 0.01 mg/m3 |  |
| US. OSHA Specifically Regulated | Substances (29 CFR 1910.100 | 1-1050)    |  |
| Components                      | Type                        | Value      |  |
| Formaldehyde (CAS 50-00-0)      | STEL                        | 2 ppm      |  |
| ,                               | TWA                         | 0.75 ppm   |  |
| US. OSHA Table Z-2 (29 CFR 1910 | .1000)                      |            |  |
| Components                      | Туре                        | Value      |  |
| Thimerosal (CAS 54-64-8)        | Ceiling                     | 0.04 mg/m3 |  |
|                                 | TWA                         | 0.01 mg/m3 |  |

Material name: Lepto Shield 5

2/7 6768 Version #: 01 Issue date: 09-07-2017

| US. NIOSH: Pocket Guide to Che | mical Hazards |
|--------------------------------|---------------|
|--------------------------------|---------------|

| Components                 | Туре    | Value      |  |
|----------------------------|---------|------------|--|
| Formaldehyde (CAS 50-00-0) | Ceiling | 0.1 ppm    |  |
| ,                          | TWA     | 0.016 ppm  |  |
| Thimerosal (CAS 54-64-8)   | STEL    | 0.03 mg/m3 |  |
|                            | TWA     | 0.01 mg/m3 |  |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** 

US - California OELs: Skin designation

Thimerosal (CAS 54-64-8) Can be absorbed through the skin.

US - Tennessee OELs: Skin designation

Thimerosal (CAS 54-64-8) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation** 

Thimerosal (CAS 54-64-8) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Thimerosal (CAS 54-64-8) Can be absorbed through the skin.

Appropriate engineering

controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Wear suitable protective clothing. Other

Liquid.

Liquid

Not available.

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection

Thermal hazards Not available.

General hygiene Always observe good personal hygiene measures, such as washing after handling the material considerations

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

#### 9. Physical and chemical properties

**Appearance** 

**Form** 

Physical state

Color Opaque Odor Not available. **Odor threshold** Not available. Not available. Ηq Not available. Melting point/freezing point Not available. Initial boiling point and boiling range Not available. Flash point Not available. **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits Flammability limit - lower Not available. (%) Flammability limit - upper Not available. (%) Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Not available. Vapor pressure Not available.

Material name: Lepto Shield 5

6768 Version #: 01 Issue date: 09-07-2017

Vapor density

Relative density

SDS US

3/7

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

**Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing.

## 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerization does not occur.

reactions

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

No hazardous decomposition products are known.

products

## products

# 11. Toxicological information Information on toxicological effects

# Acute toxicity

| Components                 | Species                                                                                             | Test Results         |  |
|----------------------------|-----------------------------------------------------------------------------------------------------|----------------------|--|
| Formaldehyde (CAS 50-00-0) |                                                                                                     |                      |  |
| <u>Acute</u>               |                                                                                                     |                      |  |
| Inhalation                 |                                                                                                     |                      |  |
| LC50                       | Rat                                                                                                 | 10500 mg/m³, 4 hours |  |
| Oral                       |                                                                                                     |                      |  |
| LD50                       | Rat                                                                                                 | 640 mg/kg            |  |
| Thimerosal (CAS 54-64-8)   |                                                                                                     |                      |  |
| <u>Acute</u>               |                                                                                                     |                      |  |
| Oral                       |                                                                                                     |                      |  |
| LD50                       | Rat                                                                                                 | 75 mg/kg             |  |
| Skin corrosion/irritation  | Rabbit: Corrosive. (Formaldehyde) Based on available data, the classification criteria are not met. |                      |  |
| Serious eve damage/eve     | Rabbit: Corrosive (Formaldehyde)                                                                    |                      |  |

Serious eye damage/eye Rabbit: Corrosive. (Formaldehyde)

irritation Based on available data, the classification criteria are not met.

# Respiratory or skin sensitization

6768 Version #: 01 Issue date: 09-07-2017

**ACGIH** sensitization

FORMALDEHYDE (CAS 50-00-0) Dermal sensitization

Respiratory sensitization

**Respiratory sensitization** Exposure to formaldehyde may cause respiratory sensitization in some individuals or aggravate

pre-existing asthmatic conditions.

Based on available data, the classification criteria are not met.

**Skin sensitization** May cause an allergic skin reaction. (Formaldehyde)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity Result in genetic toxicity assays (in vitro and in vivo): Mixed results (Formaldehyde)

Based on available data, the classification criteria are not met.

Carcinogenicity May cause cancer. (Formaldehyde)

Based on available data, the classification criteria are not met.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Formaldehyde (CAS 50-00-0) 1 Carcinogenic to humans.

Material name: Lepto Shield 5 SDS US

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Formaldehyde (CAS 50-00-0)

Cance

US. National Toxicology Program (NTP) Report on Carcinogens

Formaldehyde (CAS 50-00-0) Known To Be Human Carcinogen.

**Reproductive toxicity** No effects identified in animal studies. (Formaldehyde)

Based on available data, the classification criteria are not met.

Specific target organ toxicity -

single exposure

May cause respiratory irritation. (Formaldehyde)

Based on available data, the classification criteria are not met.

Specific target organ toxicity -

repeated exposure

No significant target organ toxicity reported. (Formaldehyde) Based on available data, the classification criteria are not met.

Aspiration hazard Not available.

# 12. Ecological information

**Ecotoxicity** 

Components Species Test Results

Formaldehyde (CAS 50-00-0)

Aquatic

Aquatio

Crustacea EC50 Water flea (Daphnia magna) 29 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 24.1 mg/l, 96 hours

Chronic

Fish NOEC Medaka, high-eyes (Oryzias latipes) > 48 mg/l, 28 days

Thimerosal (CAS 54-64-8)

Aquatic Acute

Fish LC50 Bullhead, catfish (Ictalurus sp.) 7.5 mg/l, 24 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Formaldehyde 0.35

Mobility in soil No data available.

Other adverse effects Not available.

13. Disposal considerations

**Disposal instructions**Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

the IBC Code

# 15. Regulatory information

**US federal regulations**This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

6768 Version #: 01 Issue date: 09-07-2017

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Formaldehyde (CAS 50-00-0) Listed.

Material name: Lepto Shield 5 SDS US

5/7

## SARA 304 Emergency release notification

Formaldehyde (CAS 50-00-0)

Formaldehyde (CAS 50-00-0) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Cancer

Skin sensitization Respiratory sensitization

Eve irritation Skin irritation

respiratory tract irritation

Acute toxicity Flammability

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No **Hazard categories** 

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

#### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

# Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Formaldehyde (CAS 50-00-0)

Safe Drinking Water Act Not regulated.

(SDWA)

**US** state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Listed: January 1, 1988 Formaldehyde (CAS 50-00-0)

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

Thimerosal (CAS 54-64-8) Listed: July 1, 1990

#### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Formaldehyde (CAS 50-00-0)

#### **International Inventories**

Country(s) or region Inventory name On inventory (yes/no)\* Canada Domestic Substances List (DSL) No No

Non-Domestic Substances List (NDSL) Canada

No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Toxic Substances Control Act (TSCA) Inventory

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### 16. Other information, including date of preparation or last revision

09-07-2017 Issue date

Version # 01

United States & Puerto Rico

List of abbreviations TWA: Time Weighted Average

Material name: Lepto Shield 5 SDS US 6/7 6768 Version #: 01 Issue date: 09-07-2017

#### **Disclaimer**

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS MATERIAL SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact: Elanco Animal Health 0011+1-877-352-6261 0011+1-800-428-4441