

SAFETY DATA SHEETS

This SDS packet was issued with item:

078942298

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

078942300

SAFETY DATA SHEET

122000014043

Loncor® 300 (Florfenicol) Injectable Solution

Version 1.0

Revision Date 01/25/2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information****Product Name:** Loncor® 300 (Florfenicol) Injectable Solution

SDS Number: 122000014043

Use : veterinary medicine**Company**

Bayer HealthCare, LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
UNITED STATES OF AMERICA
(800) 633-3796

In case of emergency: (800) 422-9874

Chemtec: (800) 424-9300

BAYER INFORMATION PHONE:(800) 633-3796

INTERNATIONAL:(703) 527-3887

2. HAZARDS IDENTIFICATION**Emergency Overview****Colour:** colourless to yellow **Form:** solution**GHS Classification:****Skin irritation** : Category 2**Eye irritation** : Category 2**Reproductive toxicity** : Category 1B**Specific target organ
toxicity - single exposure** : Category 3 (Respiratory system)**GHS Label element:****Hazard pictograms** :**Signal word** : Danger

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Hazard statements	: H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H360D May damage the unborn child.
Precautionary statements	: Prevention: P201 Obtain special instructions before use. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P280 Wear protective gloves/ eye protection/ face protection. Response: P308 + P313 IF exposed or concerned: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Other hazards which do not result in classification:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
15%	Propane-1,2-diol	57-55-6
25%	1-Methyl-2-pyrrolidone	872-50-4
Other Ingredients		
Weight percent	Components	CAS-No.
30%	Florfenicol	76639-94-6

4. FIRST AID MEASURES**General advice:** Take off all contaminated clothing immediately.**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.

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Contact Number: Use the Bayer Emergency Number in Section 1

5. FIREFIGHTING MEASURES

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

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Fire may cause the release of: Carbon monoxide (CO)
Carbon dioxide (CO₂)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Methods for 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.

Additional advice: No special precautions required.

Further Accidental Release Notes No special precautions required.

7. HANDLING AND STORAGE**Handling:**

Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Polyethyleneglycol (25322-68-3)**

US. OARS. WEELs Workplace Environmental Exposure Level Guide
Time Weighted Average (TWA): 10 mg/m³ (Particulate.)

1-Methyl-2-pyrrolidone (872-50-4)

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US. OARS. WEELs Workplace Environmental Exposure Level Guide
Time Weighted Average (TWA): 10 ppm, 40 mg/m³

US. OARS. WEELs Workplace Environmental Exposure Level Guide
Skin designation: Can be absorbed through the skin.

Propane-1,2-diol (57-55-6)

US. OARS. WEELs Workplace Environmental Exposure Level Guide
Time Weighted Average (TWA): 10 mg/m³ (Aerosol.)

Respiratory protection:

Recommended Filter type: Organic vapor with prefilter

None required for consumer use of this product.

Hand protection:

Chemically resistant gloves.

None required for consumer use of this product.

Eye protection:

Safety glasses

None required for consumer use of this product.

Other protective measures:

Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	solution
Colour:	colourless to yellow
Odour:	No applicable information is available
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	ca. 1 g/cm ³ at 68 °F (20 °C) at 1,013 hPa
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	No applicable information is available
Relative density:	No applicable information is available

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Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

10. STABILITY AND REACTIVITY**Conditions to avoid:** No data available**Materials to avoid:** Oxidizing agents**Hazardous reactions:** No data available**Thermal decomposition:**

No data available

Hazardous decomposition products:Carbon monoxide (CO), Carbon dioxide (CO₂)**Oxidizing properties:**

No statements available.

Impact sensitivity:No data available

11. TOXICOLOGICAL INFORMATION**Other information on toxicity:**

1-Methyl-2-pyrrolidone

Dermal absorption possible

Acute oral toxicity:

Acute toxicity estimate (ATE) > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity:

Acute toxicity estimate (ATE) 0.17 mg/l, 4 h

Method: Calculation method

Acute dermal toxicity:

1-Methyl-2-pyrrolidone

LD₅₀ Rabbit: 8,000 mg/kg

The substance or mixture has no acute dermal toxicity

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LD50 Rat: > 5,000 mg/kg

Propane-1,2-diol

LD50 Rabbit: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

Skin irritation:

1-Methyl-2-pyrrolidone

Rabbit

Result: Skin irritation

Propane-1,2-diol

Rabbit

Result: No skin irritation

Eye irritation:

1-Methyl-2-pyrrolidone

Rabbit

Result: Eye irritation

Propane-1,2-diol

Rabbit

Result: No eye irritation

Sensitisation:

1-Methyl-2-pyrrolidone

Skin sensitization

Did not cause sensitisation on laboratory animals.

Propane-1,2-diol

Human experience

Result: Does not cause skin sensitisation.

guinea pig

Result: Does not cause skin sensitisation.

Method: OECD 406

Subacute, subchronic and prolonged toxicity:

Propane-1,2-diol

NOEL 50,000 mg/kg, Rat Oral, Exposure time 24 month

NOEL 1 mg/l, Rat Inhalation, Exposure time 3 month

Number of exposures: Once daily

Genotoxicity in vitro:

1-Methyl-2-pyrrolidone

Bacterial mutagenicity

Result: No evidence of a gene mutagenic effect.

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Propane-1,2-diol
Ames test Bacteria
Dose: yes
Result: negative
Method: OECD 471

Mammalian cells
Result: negative
Method: OECD 476

Genotoxicity in vivo:

1-Methyl-2-pyrrolidone

In vivo tests did not show mutagenic effects

Propane-1,2-diol

Result: negative
Method: OECD 478

Carcinogenicity:

1-Methyl-2-pyrrolidone

Result: Animal testing did not show any carcinogenic effects.

Propane-1,2-diol

Rat:
Exposure time: 2 a
Number of exposures: Once daily
Result: negative

Reproductive toxicity:

Propane-1,2-diol

Application Route: Oral
Rat, female: Test period: 18 d
NOAEL: 1600 mg/kg
Result: Animal testing did not show any effects on fertility.

Teratogenicity:

1-Methyl-2-pyrrolidone

Result: May damage the unborn child.

Propane-1,2-diol

Rat, male: Number of exposures: Once daily
Test period: 15 d
NOAEL: 1600 mg/l
Result: No indication of teratogenic effects.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

STOT - single exposure:

No data available

STOT - repeated exposure:

No data available

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12. ECOLOGICAL INFORMATION**General advice:**

Do not allow to enter surface waters or groundwater.

Toxicity to fish:

1-Methyl-2-pyrrolidone

Acute Fish toxicity: LC50 > 500 mg/l

Test species: *Leuciscus idus* (Golden orfe) Duration of test: 96 h

Propane-1,2-diol

Acute Fish toxicity: LC50 40,613 mg/l

Test species: *Pimephales promelas* (fathead minnow) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:

1-Methyl-2-pyrrolidone

LC50 > 1,000 mg/l

Test species: *Daphnia magna* (Water flea) Duration of test: 24 h

Propane-1,2-diol

LC50 18,340 mg/l

Test species: *Ceriodaphnia dubia* (water flea) Duration of test: 48 h

Toxicity to algae:

1-Methyl-2-pyrrolidone

EC50 > 500 mg/l

tested on: *Desmodesmus subspicatus* (green algae) Duration of test: 72 h

Propane-1,2-diol

IC50 19,100 mg/l

tested on: *Pseudokirchneriella subcapitata* (green algae)

Toxicity to bacteria:

1-Methyl-2-pyrrolidone

EC20 > 600 mg/l

Duration of test: 0.5 h

Method: OECD 209

Propane-1,2-diol

NOEC 20,000 mg/l

tested on: *Pseudomonas putida*

Duration of test: 18 h

Biodegradability:

1-Methyl-2-pyrrolidone

> 90 %, rapidly biodegradable

Method: OECD 301 E

Propane-1,2-diol

87 - 92 %, 28 d rapidly biodegradable

Method: OECD 301 C

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Bioaccumulation:

Propane-1,2-diol

Bioconcentration factor (BCF)

0.09

13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION**Land transport (CFR)**

non-regulated

US Sea transport (IMDG)

non-regulated

US Air transport (ICAO / IATA cargo aircraft only)

non-regulated

US Air transport (ICAO / IATA passenger and cargo aircraft)

non-regulated

International IATA

IMDG

non-regulated

non-regulated

15. REGULATORY INFORMATION

Other regulations: No statements available.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**Components**

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**Components**

1-Methyl-2-pyrrolidone

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US. EPA CERCLA Hazardous Substances (40 CFR 302) Components

None

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent	Components	CAS-No.
15 - 40%	1-Methyl-2-pyrrolidone	872-50-4
10 - 30%	Propane-1,2-diol	57-55-6

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists

Weight percent	Components	CAS-No.
15 - 40%	1-Methyl-2-pyrrolidone	872-50-4

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Hazardous

16. OTHER INFORMATION**Further information**

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.