

SAFETY DATA SHEET  
**PREVA (NISIN) WIPES**

122000013461

Version 1.0

Revision Date 09/02/2015

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

**Product Name:** PREVA (NISIN) WIPES  
**SDS Number:** 122000013461

**Use** : veterinary medicine

**Company**

BAYER HEALTHCARE LLC  
Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846  
USA  
(800) 633-3796

**In case of emergency:** (800) 422-9874  
Chemtrec: (800) 424-9300  
BAYER INFORMATION PHONE:(800) 633-3796  
INTERNATIONAL:(703) 527-3887

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**2. HAZARDS IDENTIFICATION****Emergency Overview**

<b>Form:</b> Liquid absorbed by inert carrier material
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**GHS Classification:**

**Eye irritation** : Category 2

**GHS Label element:**

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : H319 Causes serious eye irritation.

**Precautionary statements** : **Prevention:**  
P264 Wash skin thoroughly after handling.

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P280 Wear protective gloves/ eye protection/ face protection.

### Response:

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.

### Other hazards which do not result in classification:

None known.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
7 - 13%	Propane-1,2-diol	57-55-6
10 - 30%	Propan-2-ol	67-63-0
10 - 30%	Cellulose	9004-34-6

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## 4. FIRST AID MEASURES

**General advice:** Take off all contaminated clothing immediately.

**If inhaled:** Remove to fresh air. If symptoms persist, call a physician.

**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.

**Contact Number:** Use the Bayer Emergency Number in Section 1

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## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Any

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**Specific hazards during firefighting:** Fire may cause evolution of: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

**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.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Methods for cleaning up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**Additional advice:** not required

**Further Accidental Release Notes** not required

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### 7. HANDLING AND STORAGE

**Handling:**

Industrial uses: Avoid dust formation. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Propan-2-ol (67-63-0)**

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 200 ppm

US. ACGIH Threshold Limit Values

Short Term Exposure Limit (STEL): 400 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Recommended exposure limit (REL): 400 ppm, 980 mg/m<sup>3</sup>

US. NIOSH: Pocket Guide to Chemical Hazards

Short Term Exposure Limit (STEL): 500 ppm, 1,225 mg/m<sup>3</sup>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Permissible exposure limit: 400 ppm, 980 mg/m<sup>3</sup>

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

US. OARS. WEELs Workplace Environmental Exposure Level Guide

Time Weighted Average (TWA): 10 mg/m<sup>3</sup> (Aerosol.)

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### **Respiratory protection:**

Recommended Filter type: Organic vapor

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:**

No special safety precautions are required during handling of pharmaceuticals in their intended finished form (tablets or liquid formulations) by chemists, the hospital's medical staff or patients.

Wear suitable protective equipment.

For the intake of ready for use pharmaceuticals or the external use on the skin please read the label and the package leaflet.

Please consult label for end-user requirements.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Liquid absorbed by inert carrier material
Colour:	No applicable information is available
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:	No applicable information is available
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
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

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Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

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### 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 (CO<sub>2</sub>)

**Oxidizing properties:**

No statements available.

**Impact sensitivity:**

No data available

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### 11. TOXICOLOGICAL INFORMATION

**Other information on toxicity:**

Propan-2-ol

Breathing of the fumes may lead to narcotic symptoms.

After resorption headaches, Nausea, Unconsciousness, Dizziness

**Acute oral toxicity:**

Propane-1,2-diol

LD50 Rat: 22,000 mg/kg

The substance or mixture has no acute oral toxicity

Propan-2-ol

LD50 Rat: 4,570 mg/kg

Cellulose

LD50 Rat: > 5,000 mg/kg

The substance or mixture has no acute oral toxicity

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**Acute inhalation toxicity:**

Propane-1,2-diol

LC50 Rabbit: > 317 mg/l, 2 h

The substance or mixture has no acute inhalation toxicity

Propan-2-ol

LC50 Rat: 72.6 mg/l, 4 h

The substance or mixture has no acute inhalation toxicity

Cellulose

LC50 Rat: > 5.05 mg/l, 4 h

May be harmful if inhaled.

**Acute dermal toxicity:**

Propane-1,2-diol

LD50 Rabbit: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

Propan-2-ol

LD50 Rabbit: 13,400 mg/kg

The substance or mixture has no acute dermal toxicity

Cellulose

LD50 Rabbit: > 2,000 mg/kg

May be harmful in contact with skin.

**Skin irritation:**

Propane-1,2-diol

Rabbit

Result: No skin irritation

Propan-2-ol

Rabbit

Result: No skin irritation

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin. May cause skin irritation and/or dermatitis.

Cellulose

Rabbit

Result: No skin irritation

**Eye irritation:**

Propane-1,2-diol

Rabbit

Result: No eye irritation

Propan-2-ol

Result: Severe eye irritation

Cellulose

Rabbit

Result: No eye irritation

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**Sensitisation:**

Propane-1,2-diol

Human experience

Result: Does not cause skin sensitisation.

guinea pig

Result: Does not cause skin sensitisation.

Method: OECD 406

Propan-2-ol

guinea pig

Result: Did not cause sensitisation on laboratory animals.

Cellulose

Skin sensitization guinea pig

Result: Did not cause sensitisation on laboratory animals.

**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:**

Propane-1,2-diol

Ames test Bacteria

Dose: yes

Result: negative

Method: OECD 471

Mammalian cells

Result: negative

Method: OECD 476

Propan-2-ol

Ames test

Result: negative

Micronucleus test

Result: No indication of clastogenic effects.

Cellulose

Ames test

Result: negative

**Genotoxicity in vivo:**

Propane-1,2-diol

Result: negative

Method: OECD 478

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Propan-2-ol

Micronucleus test, Mouse

Result: No indication of clastogenic effects.

Method: OECD 474

Cellulose

Mouse

Result: No indication of mutagenic effects.

### **Carcinogenicity:**

Propane-1,2-diol

Rat:

Exposure time: 2 a

Number of exposures: Once daily

Result: negative

Propan-2-ol

Rat:

Result: Animal testing did not show any carcinogenic effects.

### **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.

Propan-2-ol

Result: Animal testing did not show any effects on fertility.

Toxicological Evaluations ( Institute for Toxicology of Bayer Pharma AG)

### **Teratogenicity:**

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.

Propan-2-ol

Result: Evidence of an embryotoxic effect in animal studies at doses which are harmful to the parent animals.

Toxicological Evaluations ( Institute for Toxicology of Bayer Pharma AG)

### **Neurological symptoms:**

Propan-2-ol

May cause drowsiness or dizziness.

### **Carcinogenicity:**

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

### **STOT - single exposure:**

#### **Components:**

**67-63-0 :**



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Assessment: May cause drowsiness or dizziness.

### **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:**

Propane-1,2-diol

Acute Fish toxicity: LC50 40,613 mg/l

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

Propan-2-ol

Acute Fish toxicity: LC50 > 100 mg/l

Test species: Leuciscus idus (Golden orfe) Duration of test: 48 h

Acute Fish toxicity: LC50 1,400 mg/l

Test species: Lepomis macrochirus (Bluegill) Duration of test: 96 h

Cellulose

Acute Fish toxicity: LC50 > 100 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

### **Toxicity to daphnia and other aquatic invertebrates:**

Propane-1,2-diol

LC50 18,340 mg/l

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

Propan-2-ol

EC50 > 100 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Cellulose

LC50 > 100 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

### **Toxicity to algae:**

Propane-1,2-diol

IC50 19,100 mg/l

tested on: Pseudokirchneriella subcapitata (green algae)

Propan-2-ol

IC50 > 1,000 mg/l

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

Cellulose

EC50 > 100 mg/l

Duration of test: 96 h

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NOEC 12.5 mg/l  
Duration of test: 96 h

### **Toxicity to bacteria:**

Propane-1,2-diol  
NOEC 20,000 mg/l  
tested on: Pseudomonas putida  
Duration of test: 18 h

Propan-2-ol  
EC0 1,050 mg/l  
tested on: Pseudomonas putida  
Duration of test: 24 h

### **Biodegradability:**

Propane-1,2-diol  
87 - 92 %, 28 d rapidly biodegradable  
Method: OECD 301 C

Propan-2-ol  
> 70 %, 10 d  
According to the results of tests of biodegradability this product is considered as being readily biodegradable.

Cellulose

inherently degradable

### **Bioaccumulation:**

Propane-1,2-diol

Bioconcentration factor (BCF)  
0.09

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## 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.

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## 14. TRANSPORT INFORMATION

Land transport (CFR)  
non-regulated

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**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**                      non-regulated  
IMDG                                      non-regulated

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### 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**  
None

**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.
7 - 13%	Propane-1,2-diol	57-55-6
10 - 30%	Cellulose	9004-34-6

#### 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

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### 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

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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.