



# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Equi-Lube™ NS  
**Product No.:** Not applicable  
**GHS Product Identifier:** Not applicable

**Synonyms:** Not available  
**Molecular Formula:** Mixture, not applicable  
**Molecular Weight:** Not applicable  
**CAS Number:** Mixture, not applicable  
**Chemical Family:** Not applicable

**Manufacturer:**  
Boehringer Ingelheim Vetmedica, Inc.  
2621 North Belt Hwy  
St. Joseph, MO 64506-2002

**Emergency Telephone:**  
Transportation Emergency: (800) 424-9300  
Medical Emergency (24HR): (800)530-5432

**Intended Use:** Veterinary lubricant for equines **Non-emergency Telephone:** (800) 821-7467

## 2 HAZARDS IDENTIFICATION

### Emergency Overview

**Physical State:** Viscous liquid  
**Color:** Clear, colorless to straw colored  
**Odor:** Sweet



**Veterinary lubricant for equines.  
Not for human use.**

Low hazard for usual industrial or commercial handling by trained personnel.

### **Precautionary Statements:**

Handle in accordance with good industrial hygiene and safety practice.  
Fire-fighting: Use water spray, dry chemical, carbon dioxide, foam or material appropriate for the surrounding fire.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

**Spills:** Wipe up spilled area and collect for disposal. Wash away remainder with plenty of water. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Keep out of reach of children.

Keep container closed.

Store in a cool, dry place.

Store at temperatures less than 30° C (86° F) to maximize shelf life.

Keep away from food, drink, and animal feedstuffs.

**Acute effect:**

Equi-Lube™ NS is a veterinary lubricant for equines that is non-spermicidal and nonirritating to the skin and membranes. Safe for equine breeding operations, vaginal and rectal exams, and ultrasound exams.

**Precautions/Contraindications:** Nonhazardous when used as directed.

**Overdosage:** None known

**ADVERSE REACTIONS TO PRODUCT:** None known

**Potential Health Effects**

**Inhalation:** Not expected to be an inhalation hazard with prescribed use.

**Eye Contact:** Not expected to be a hazard to the eye with prescribed use. Contact with eye may cause transient irritation.

**Skin Contact:** No specific hazard known.

**Ingestion:** Expected to be a low ingestion hazard.

**Chronic Health Effects:** None known

**Target Organ(s):** Skin

**Potential Physical Effects:** Nonhazardous when used as directed.

**OSHA Regulatory Status:** Exempt, FDA Regulated

**Environment:** No data available

|          |   |
|----------|---|
| <b>3</b> | <b>COMPOSITION / INFORMATION ON INGREDIENTS</b> |
|----------|---|

| Chemical Name    | EC No.  | CAS- No. | Concentration | Classification | Notes |
|------------------|---------|----------|---------------|----------------|-------|
| Propylene glycol | 2003380 | 57-55-6  | < 2.0         | ---            | ---   |

|                        |         |           |             |                       |      |
|------------------------|---------|-----------|-------------|-----------------------|------|
| 2-Propanol             | 2006617 | 67-63-0   | 1.0         | F, Xi, R11, 36,<br>67 | ---- |
| Carboxymethylcellulose | ---     | 9004-32-4 | proprietary | ---                   | ---  |
| Methylparaben          | 2027857 | 99-76-3   | proprietary | ---                   | ---  |
| Propylparaben          | 2023077 | 94-13-3   | proprietary | ---                   | ---  |
| Purified water, USP    | 2317912 | 7732-18-5 | proprietary | ---                   | ---  |

The full texts for all R-Phrases are displayed in Section 16.

#### **4 FIRST AID MEASURES**

**General: Animals or persons developing anaphylactic (life-threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention.**

**Inhalation:** Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

**Eye Contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Ingestion:** Seek medical advice.

**Note to Physician:** Veterinary lubricant. Not for human use.

#### **5 FIRE-FIGHTING MEASURES**

**Extinguishing Media:** Extinguish with water spray, dry chemical, carbon dioxide, foam or material appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** None known

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire & Explosion Hazards:** None known

**Hazardous Combustion Products:** None known

**Flammability Class:** 0

#### **6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate personal protective equipment.

**Spill Cleanup Methods: STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF LIQUID IS SPILLED:** Wipe up spilled area and collect for disposal. Wash away remainder with plenty of water.

**Environmental Precautions:** None known

## 7 HANDLING AND STORAGE

**Handling:** HANDLING SIGNIFICANT QUANTITIES OF LIQUID: Absorb spilled liquid and collect for disposal. Wash hand thoroughly after handling.

**Storage:** Keep container closed. Store in a cool, dry place. Store at temperatures less than 30° C (86° F) to maximize shelf life. Store away from foodstuffs.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

| Chemical Name   | Source           | Type             | Exposure Limits       | Notes  |
|---|------------------|------------------|-----------------------|--|
| Carboxymethylcellulose  | ---              | ---              | N/A                   | ---  |
| Isopropyl alcohol   | NIOSH            | REL              | 400 ppm               | ---  |
| Isopropyl alcohol   | ACGIH            | 8-HR TWA         | 200 ppm               | Irritation, CNS effects                          |
| Isopropyl alcohol   | OSHA Z-1         | PEL              | 400 ppm               | ----   |
| 2-Propanol (isopropyl alcohol)                                  | Alberta          | 8-HR TWA         | 400 ppm               | Irritation effect                                |
| Isopropanol   | British Columbia | 8-HR TWA         | 200 ppm               | ----   |
| Isopropanol (isopropyl alcohol)                                 | Ontario          | 8-HR TWA         | 200 ppm               | ----   |
| Isopropyl alcohol   | Quebec           | 8-HR TWA         | 400 ppm               | ----   |
| 2-Propanol  | Austria MAK List | TWA              | 500 mg/m <sup>3</sup> | ----   |
| Alcohol isopropylique   | Belgium          | 8-HR TWA         | 400 ppm               | ----   |
| Isopropylalkohol  | Denmark          | TWA              | 200 ppm               | ----   |
| 2-Proanoli  | Finland          | 8-HR TWA         | 200 ppm               | ----   |
| Alcool isopropylique  | France           | Short Term Limit | 400 ppm               | ----   |
| Propan-2-ol   | Germany          | Limit Value      | 200 ml/m <sup>3</sup> | Short term exposure classification category : II |
| Isopropyl alcohol   | Greece           | 8-HR TWA         | 400 ppm               | ----   |
| 2-Propanol (isopropanol, isopropyl alcohol, sec-propyl alcohol) | Iceland          | 8-HR TWA         | 200 ppm               | Skin designation                                 |
| Isopropyl alcohol   | Ireland          | 8-HR TWA         | 400 ppm               | Skin designation                                 |
| Alcool isopropilico   | Italy            | 8-HR TWA         | 200 ppm               | ----   |
| 2-Propanol  | Netherlands      | MAC TWA          | 250 ppm               | ----   |
| Isopropanol (alcool isopropílico)                               | Portugal         | 8-hr Exposure    | 400 ppm               | ----   |

|  |                | Limit                               |                       |      |
|--|----------------|-------------------------------------|-----------------------|------|
| Alcohol isopropílico                             | Spain          | 8-hr VLA-ED (Daily Exposure Limit ) | 400 ppm               | ---- |
| Isopropanol                                      | Sweden         | NGV (Level Limit Value)             | 150 ppm               | ---- |
| 2-Propanol                                       | Switzerland    | TWA                                 | 200 ppm               | ---- |
| Propan-2-ol                                      | United Kingdom | TWA                                 | 400 ppm               | ---- |
| Propane-1,2-diol, particulates                   | Ireland        | 8-HR TWA                            | 10 mg/m <sup>3</sup>  | ---  |
| Propane-1,2-diol, total (vapor and particulates) | Ireland        | 8-HR TWA                            | 470 mg/m <sup>3</sup> | ---  |
| Methylparaben                                    | ---            | ---                                 | N/A                   | ---  |
| 1,2-Propylene glycol; aerosol only               | Ontario        | 8-HR TWA                            | 10 mg/m <sup>3</sup>  | ---  |
| 1,2-Propylene glycol, total vapour and aerosol   | Ontario        | 8-HR TWA                            | 155 mg/m <sup>3</sup> | ---  |
| Propane-1,2-diol, particulates                   | United Kingdom | TWA                                 | 10 mg/m <sup>3</sup>  | ---  |
| Propane-1,2-diol, total vapour and particulates  | United Kingdom | TWA                                 | 474 mg/m <sup>3</sup> | ---  |
| Propylparaben                                    | ---            | ---                                 | N/A                   | ---  |
| Purified water, USP                              | ---            | ---                                 | N/A                   | ---  |

**Engineering Controls:** Not generally required when handling containers or liquid. (See exposure limits). Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

**Respiratory Protection:** Not generally required when handling liquid or containers. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA standard 63 FR 1152, January 8, 1998. Respirator type: NIOSH approved organic vapor respirator.

**PERSONAL PROTECTIVE EQUIPMENT:** Not generally required when handling containers or liquid. If containers are compromised or exposure to the mixture is likely wear:

**Eye Protection:** Wear safety glasses with side shields (or goggles) if a splash hazard exists.

**Hand Protection:** Wear suitable gloves.

**Skin Protection:** Wear lab coat, apron or appropriate clothing to prevent skin contact.

**Hygiene Measures:** Eye bath, washing facilities

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| <b>9</b> | <b>PHYSICAL AND CHEMICAL PROPERTIES</b> |
|----------|---|

**Color:** Clear, colorless to straw colored  
**Odor:** Sweet  
**Odor Threshold:** Not applicable  
**Physical State:** Viscous liquid  
**pH:** 6.2 (@ approx. 25° C)  
**Melting Point:** Not applicable  
**Freezing Point:** No data available  
**Boiling Point:** Not applicable  
**Flash Point:** Non-flammable  
**Flammability Limit – Upper (%):** Not applicable  
**Flammability Limit – Lower (%):** Not applicable  
**Evaporation rate:** No data available  
**Vapor Pressure:** No data available  
**Vapor Density (Air=1):** No data available  
**Specific Gravity:** 1.02 ((@ approx. 25° C)  
**Solubility:** Miscible  
**Partition Coefficient (n-Octanol/water):** No data available  
**Autoignition Temperature:** Not applicable  
**Decomposition Temperature:** Not applicable

|           |                                 |
|-----------|---------------------------------|
| <b>10</b> | <b>STABILITY AND REACTIVITY</b> |
|-----------|---------------------------------|

**Stability:** Stable

**Conditions to Avoid:** None known

**Incompatible Materials:** None known

**Hazardous Decomposition Products:** Carbon oxides

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

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| <b>11</b> | <b>TOXICOLOGICAL INFORMATION</b> |
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**Specified Substances**

**Acute Toxicity**

| Chemical Name    | Test Results   |
|------------------|--|
| Propylene Glycol | Eye Irritation (rabbit) : 100 mg – mild irritation<br>Skin Irritation (human) : 104 mg/3D-I – moderate irritation<br>Dermal LD <sub>50</sub> (rabbit) : 20,800 mg/kg<br>Oral LD <sub>50</sub> (rat): 20 g/kg<br>Oral LD <sub>50</sub> (dog): 22 g/kg |
| 2-Propanol       | Eye Irritation (rabbit): 100 mg – severe irritation<br>Skin Irritation (rabbit): 500 mg– mild irritation<br>Dermal LD <sub>50</sub> (rabbit) : 12800 mg/kg<br>Inhalation (mouse) LC <sub>50</sub> : 53,000 mg/m <sup>3</sup>                         |

|  |  |
|--|--|
|  | Oral LD <sub>50</sub> (rat) : 5045 mg/kg |
|--|--|

**Listed Carcinogens**

| Chemical Name     | IARC  | NTP        | OSHA       | ACGIH      |
|-------------------|---|------------|------------|------------|
| Isopropyl alcohol | I<br>(Inadequate data – animals and humans) | Not listed | Not listed | Not listed |

**12 ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**Germany WGK:** Isopropanol: ID No: 135; Class: 1: slightly water-endangering; 1,2-Propylenglykol : ID No: 280; Class 1: slightly water-endangering; Carboxymethylzellulose, natriumsalz: ID No: 829; Class 1: slightly water-endangering; Methyl-4-hydroxybenzoat: ID No.: 3413; ID No: 3413; Propyl-4-hydroxybenzoat: ID No. 6504; Class 1: slightly water-endangering.

**13 DISPOSAL CONSIDERATIONS**

**General Information:** Dispose of in accordance with local, state and federal regulations.

**Disposal Methods:** No specific disposal method required. Do not empty into drains; dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by storage disposal.

**RCRA Information:** EPA Hazardous: D001 (isopropyl alcohol)

**Container:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14 TRANSPORT INFORMATION**

**DOT:** Not regulated

**TDG:** Not regulated

**ADR/RID:** Not regulated

**IATA:** Not regulated

**IMDG:** Not regulated

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| <b>15</b> | <b>REGULATORY INFORMATION</b> |
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**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** Noncontrolled

**Inventory Status**

Purified Water, USP, Propylene Glycol, Isopropyl Alcohol, Methylparaben and Propylparaben are listed on TSCA (USA), AICS (Australia), DSL (Canada), EINECS (Europe), IECSC (China), ENCS (Japan), KECI (Korea), ERMA (New Zealand), and PICCS (Philippines).

Carboxymethylcellulose is listed on TSCA (USA), AICS (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), ERMA (New Zealand), and PICCS (Philippines) It is not listed on EINECS (Europe) but is listed as a common nomenclature of ingredients employed in cosmetic products (INCI) as amended by Decision 2006/257/EC (OJ(L97)1,5 Apr 2006).

**US Regulations**

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

| Component                                       | Reportable Quantity |
|---|---------------------|
| Isopropyl alcohol (Generic RCRA Waste No. D001) | 100 lbs             |

**Section 313 Toxic Release Inventory (40 CFR 372):**

| Component         | CAS No. | Concentration |
|-------------------|---------|---------------|
| Isopropyl alcohol | 67-63-0 | 1%            |

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** None

**Massachusetts Right-To-Know List:** 2-Propanol

**Minnesota Hazardous Substances List:** Isopropyl alcohol, propylene glycol

**New Jersey Right-To-Know List:** Isopropyl alcohol

**Pennsylvania Right-To-Know List:** 2-Propanol, 1,2-propanediol

**Rhode Island Right-To-Know List:** 2-Propanol, propylene glycol

**European Regulations**

**Denmark MAL Code-Number:** Propanol – 29 m<sup>3</sup> air/10g substance.

**Switzerland Toxins List 1:** 2-Propanol, ID No. G-1712; 1,2-Dihydroxypropan, ID No. G-2798; Natrium-carboxymethyl-cellulose, ID No. G-4000; 4-hydroxybenzoesaure-methylester, ID No. G-2363; Toxicity Category: 5; 4-hydroxybenzoesaure-propylester, ID No. G-2365; Toxicity Category: 5.

|           |                          |
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| <b>16</b> | <b>OTHER INFORMATION</b> |
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**Hazard Ratings**

|      | Health Hazard | Fire Hazard | Reactivity Hazard |
|------|---------------|-------------|-------------------|
| HMIS | 1             | 0           | 0                 |



|             | Health Hazard | Fire Hazard | Reactivity Hazard | Special Hazard |
|-------------|---------------|-------------|-------------------|----------------|
| <b>NFPA</b> | 1             | 0           | 0                 | N/A            |

\*- Chronic health effect; 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe

### From Section 3

F- Flammable

R11-Highly Flammable

R36-Irritating to eyes

R67-Vapours may cause drowsiness and dizziness

S2-Keep out of reach of children.

S7-Keep container tightly closed.

S16-Keep away from sources of ignition – No smoking.

S24/25- Avoid contact with skin and eyes.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### Mixture -

Not classified as hazardous

Handle in accordance with good industrial hygiene and safety practice.

### ABBREVIATIONS:

BIV - Boehringer Ingelheim Vetmedica, Inc.

AIHA- American Industrial Hygiene Association

mppcf – million particles/cubic foot

N/A - Not applicable

N/E - Not established

### References:

1. Equine Product Guide. Boehringer Ingelheim Vetmedica, Inc.  
www.bi- vetmedica.com
2. Ariel WebInsight Regulatory Database. Regulatory Summary for North America, Western Europe, and Global Inventories Database.
3. RTECS – Isopropyl alcohol. RTECS No. NT8050000
4. RTECS – 1, 2-Propanediol. RTECS No. TY2000000
5. GHS Manual

**Revision Information:** Removed U.S. Regulation prescription veterinary statement from Section 15.

**Prepared by:** Boehringer Ingelheim Vetmedica, Inc.

**Issue Date:** 08/15/06

Revision Date: 03/27/07

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