# SAFETY DATA SHEETS

## This SDS packet was issued with item:

078911917

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

078911916 078936717

# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Vetera® Gold^XP
**Product No.:** Not applicable
**GHS Product Identifier:** Not applicable
**Synonyms:** None

Molecular Formula: Mixture, not applicable
Molecular Weight: Not applicable
CAS Number: Mixture, not applicable
Chemical Family: Veterinary Vaccine

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

**Transportation Emergency:** For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887
(collect calls accepted)

**Medical Emergency (24HR):** (866) 638-2226
**Non-Emergency Telephone:** (800) 821-7467

Intended Use: Vaccine for parenteral use in animals.

**WARNING!**
**For use in animals only.**
**Not for human use.**
**Allergic reactions can occur.**

## 2 HAZARDS IDENTIFICATION

**US GHS Classification**
This preparation is not classified as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**US GHS Label Elements**

**Signal Word:** None required.
**Symbol(s):** None required.



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**Hazard Statements:** None required.

**Precautionary Statement(s):**

**General:**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

**OSHA Regulatory Status:** Non-hazardous (exempt)

**Environment:** Not classified as hazardous for the environment.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | EC No. | CAS- No. | Concentration | Classification | Notes |
|---|---|---|---|---|---|
| *Formaldehyde | 200-001-8 | 50-00-0 | ≤ 1.85 g/L | T; C; C3 R23/24/25/ R34 R40 R43 | ---- |

Components not listed are not hazardous or are below reportable limits.

The full texts for all R-Phrases are displayed in Section 16.
* Used to inactivate virus and subsequently removed from solution. Concentration represents maximum remaining amount by percent weight which is below USDA allowable limits.

## 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:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs, seek medical advice. Wash contaminated clothing before reuse.

**Ingestion:** Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

**Injection:** In case of accidental injection, wash the site thoroughly. Contact a physician immediately.

**Note to Physician:** For animal injection only. Not for human use. Status of immunization should be reviewed. Emergency procedures should be symptomatic and supportive.



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## 5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** Extinguish with foam, carbon dioxide, dry powder and water fog 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:** Carbon monoxide, carbon dioxide

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate personal protective equipment (See Section 8).

**Spill Cleanup Methods:** STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF PRODUCT IS SPILLED: Absorb or cover with dry earth, sand or other non-combustible material. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before use.

**Environmental Precautions:** Prevent runoff from entering drains, sewers or streams. Dike for later disposal.

## 7 HANDLING AND STORAGE

**Handling:** HANDLING SIGNIFICANT QUANTITIES OF LIQUID: Avoid contact with eyes, skin or clothing. Avoid accidental injection. Wash hand thoroughly after handling.

**Storage:** Store at 2°-7° C (35°-45° F). Do not freeze. Shake well before using.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:**

| Chemical Name | Source | Type | Exposure Limits | Notes |
|---|---|---|---|---|
| Formaldehyde | ACGIH | Ceiling Exposure | 0.3 ppm | Suspected cancer hazard, Upper respiratory and eye irritation |
| Formaldehyde | OSHA | Action Level | 0.5 ppm | Cancer-suspect agent |
| Formaldehyde | OSHA | TWA | 0.75 ppm | ---- |
| Formaldehyde | OSHA | STEL | 2 ppm | ---- |



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Where lower governmentally imposed exposure limits exist, such limits should take precedence.

**Engineering Controls:** Not generally required when handling vials or containers. Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Respiratory Protection:** Not generally required when handling vials 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.

**Europe: Wear appropriate personal protective equipment according to the Council Directive 89/686/EEC (4) and the appropriate CEN standards.**

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

**Eye Protection:** Wear safety glasses with side shields (or goggles).

**Hand Protection:** Wear suitable gloves.

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

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

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Clear to slightly pink.
**Odor:** No data available
**Odor Threshold:** No data available
**Physical State**: Killed virus, inactivated bacterin toxoid and adjuvant in an injectable solution.
**pH:** No data available
**Melting Point:** No data available
**Freezing Point:** No data available
**Boiling Point:** No data available
**Flash Point:** No data available
**Flammability Limit – Upper (%):** No data available
**Flammability Limit – Lower (%):** No data available
**Evaporation rate:** No data available
**Vapor Pressure:** No data available
**Vapor Density (Air=1):** No data available
**Viscosity:** No data available
**Specific Gravity:** No data available
**Solubility:** No data available
**Partition Coefficient (n-Octanol/water):** No data available



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**Autoignition Temperature:** Not applicable
**Decomposition Temperature:** No data available

## 10 STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Temperatures below 2° C (35° F) and above 7° C (45° F).

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** None known

**Possibility of Hazardous Reactions:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Vetera® Gold$^{XP}$ is considered nontoxic.

**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. Exposure to liquid in eye may cause mild transient eye irritation.

**Skin Contact:** Not expected to be a hazard to the skin. Can cause hypersensitive reactions. May cause skin sensitization by contact.

**Ingestion:** Not expected to be an ingestion hazard with prescribed use. Ingestion may cause nausea and systemic effects.

**Injection:** Swelling at injection site may occur.

**Chronic Health Effects:** Possible hypersensitization (development of abnormal sensitivity).

**Target Organ(s):** Gastrointestinal System, Skin, Respiratory system

**Listed Carcinogens:** None

## 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:** Not applicable



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## 13 DISPOSAL CONSIDERATIONS

**General Information:** Dispose of in accordance with local, state, federal, national or international regulations.

**Disposal Methods:** Incinerate the material under controlled conditions in an approved incinerator. Do not empty into drains. Dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by disposal.

**RCRA Information:** Not applicable

## 14 TRANSPORT INFORMATION

**DOT:** Not regulated

**TDG:** Not regulated

**ADR/RID:** Not regulated

**IATA:** Not regulated

**IMDG:** Not regulated

## 15 REGULATORY INFORMATION

**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:** Non-controlled, exempt

**Inventory Status**

This material is **not** listed on the following inventories: TSCA, DSL, AICS, EINECS, IECSC, ENCS, PICCS, KECI, and NZIoC. Therefore, it can only be used for TSCA exempt purposes such as R&D or veterinary use.

**Canada CEPA Schedule 1** - Formaldehyde
**US Regulations**

**FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON ORDER OF LICENSED VETERINARIANS.**

**CERCLA Hazardous Substance List (40 CFR 302.4):** None listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.



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**SARA Title III**
**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):** Not Regulated.
**Section 313 Toxic Release Inventory (40 CFR 372):** None listed.

**State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**
Formaldehyde (gas)
**Massachusetts Right-To-Know List:** Formaldehyde
**Minnesota Hazardous Substances List:** None listed.
**New Jersey Right-To-Know List:** None listed.
**Pennsylvania Right-To-Know List:** Formaldehyde
**Rhode Island Right-To-Know List:** Formaldehyde

**European Regulations**
**Austria MAK List (Annex I):** Formaldehyde
**Denmark (Annex 3.6):** Formaldehyde
**Germany (Dangerous Substances Ordinance 2004, Annex III):** None listed.
**Norway (List of Dangerous Substance):** None listed.
**Sweden (Annex 3):** Formaldehyde
**Switzerland (Toxins List 1):** Formaldehyde

## 16 OTHER INFORMATION

**Hazard Ratings**

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

| | Health Hazard | Fire Hazard | Reactivity Hazard | Special Hazard |
|---|---|---|---|---|
| **NFPA** | 1 | 0 | 0 | 0 |

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

**EU Symbol and R Phrase Definitions**
R23/24/25 – Harmful by inhalation, in contact with skin and if swallowed.
R34 – Causes burns.
R40 – Limited evidence of a carcinogenic effect.
R43 – May cause sensitization by skin contact.

ABBREVIATIONS:
BIVI – Boehringer Ingelheim Vetmedica, Inc.
AIHA – American Industrial Hygiene Association
mppcf – million particles/cubic foot
N/A – Not applicable.
N/E – Not established.

**References:**



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1. Ariel WebInsight Regulatory Database. Regulatory Summary for North America, Western Europe, and Global Inventories Database.
2. GHS Manual
3. Vetera® Gold$^{XP}$ Label

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