

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078006770

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

078006788



# Material Safety Data Sheet

Rabvac 1

WW MSDS No. 1012134

## Section 1. Product and Company Identification

Manufactured/ Supplied by	Fort Dodge Animal Health 800 5th Street NW P.O. Box 518 Fort Dodge, IA 50501 Phone: 515-955-4600 Fax: 515-955-9149	Date of Preparation	19 January 2002
Product Trade Name	Rabvac 1	Product No.	1012134
Common Name	Rabies Vaccine (killed)	Formula No.	NA
Synonyms	None.	CAS No.	NA
Chemical Formula	NA	U.N. No.	NA
Chemical Family	Veterinary Vaccine.	EINECS No.	NA
Material Uses	Veterinary Biological.	In Case of Emergency	515-955-6033
Packaging	Vial.		
Formula Type	Injectable solution.		

## Section 2. Composition - Information on Ingredients

Name of Ingredients	CAS No.	Conc.	EU Symbol	R Phrase
1) Killed virus	NA	Unknown		
2) Adjuvant		Trade Secret		
3) May contain thimerosal, neomycin, polymyxin B, and/or amphotericin B as a preservative.	Various	<0.01%		

## Section 3. Hazards Identification - Summary of Primary Effects and Critical Hazards

Acute Health Effects	Vaccine contains inactivated virus and is not pathogenic. Adverse health effects are considered unlikely when the product is administered according to label directions.
Chronic Health Effects	Not considered to be toxic for humans.
Environmental Hazards	Releases of small quantities are unlikely to affect adversely the functioning of water treatment plants.

## Section 4. First Aid Measures - (by medical responders using "Universal Precautions")

Eye Contact	May cause eye irritation.
Skin Contact	NO KNOWN EFFECT. After contact with skin, wash immediately with plenty of water.
Inhalation	No specific data.
Ingestion	If ingested, seek medical advice immediately and show the container or the label.

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**Notes to Medical Doctor** For self-inoculation, immediately wash injection site with soap and water. Bleeding, if present, from the puncture wound should be encouraged. Direct treatment at control of symptoms.

### Section 5. Fire-Fighting Measures

Extinguishing Media and Instructions	Aqueous solutions are non-flammable. Use DRY chemicals, CO2, alcohol foam or water spray.
Special Exposure Hazards	None. Dispose of fire debris and contaminated fire fighting water in accordance with regulations.
Special Fire Fighting Protective Equipment	Full fire-fighting attire and approved certified self-contained breathing apparatus worn only by qualified persons.

### Section 6. Accidental Release Measures

Small Spill Guidelines	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill Guidelines	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Call for assistance on disposal.
Environmental Precautions	Keep out of waterways.

### Section 7. Handling and Storage

Handling (ventilation and fire prevention)	No special measures required.
Storage (conditions and limitations)	Keep only in the original container at a temperature not exceeding 7 deg. C. S02- Keep out of the reach of children

### Section 8. Exposure Controls and Personal Protection - (normal and intended use)

Exposure Guidelines		REG. Limit	OSHA (PEL)	ACGIH (TLV®)	Company Guideline
Component					
No hazardous ingredients					
Engineering Design and Control Measures	No special measures required.				
Protective Clothing					
Eyes	Safety glasses.				
Skin	Gloves, Latex				
Hands	Gloves, Latex				
Respiratory	A respirator is not needed under normal and intended conditions of product use.				

### Section 9. Physical and Chemical Properties

Physical State and Appearance	Opaque liquid	Odor	Odorless.
Molecular Weight	unknown	Color	Reddish-white.
Boiling Point	unknown	pH	6 - 8
Melting/Freezing Point	unknown		
Density/Bulk Density	unknown		

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Vapor Pressure	unknown
Vapor Density	unknown
Viscosity	unknown
Partition Coefficient	unknown
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.
Flash Point	NA
Autoignition Point	NA
Explosion Limits	NA
Dust Explosivity	NA

**Section 10. Stability and Reactivity**

Conditions to Avoid and Incompatibility The product is stable.

Decomposition Products None.

**Section 11. Toxicological Information****Acute Effects**

Component	Test	Result	Route	Species
No hazardous ingredients				
Eye Contact		Mildly irritating to the eyes.		
Skin Contact		No evidence of risk in humans.		
Inhalation		No evidence of risk in humans.		
Ingestion		Not considered to be toxic for humans.		

**Chronic Effects**

Target Organs	None.
Adverse Effects Statements	Not known.
Sensitization	No evidence.
Carcinogenic Effects	There is no known effect from chronic exposure to this product. No evidence of human carcinogenic effects
Mutagenic Effects	Adverse health effects are considered unlikely when the product is administered according to label directions.
Teratogenic Effects	No evidence of risk in humans. No known human teratogenic effect
Reproductive Effects	Not considered to be toxic for the reproductive system.
Other Effects	Adverse health effects are considered unlikely when the product is administered according to label directions.

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**Section 12. Ecological Information**

Environmental Fate Not evaluated. No known significant effects or critical hazards.

Environmental Hazards Releases of small quantities are unlikely to affect adversely the functioning of water treatment plants.

**Ecotoxicity**

Component	Species	Period	Result
No hazardous ingredients			

Other

**Section 13. Disposal Considerations**

Waste Handling and Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

*Note: The waste generator must be informed of and follow all applicable rules and regulations for the handling and disposal of waste.*

**Section 14. Transport Information**

Proper Shipping Name, Primary Class, UNNA Number, Packaging Group

Not regulated

ADR/RID Classification (Road and Rail Transport) Not controlled under ADR of the EEC.

ADNR Classification (Inland Waterways) Not controlled under ADNR (Europe).

IMO/IMDG Class (Maritime Transport) Not controlled under IMDG.

ICAO/IATA (Air Transport) Not controlled under IATA.

CEPIC Tremcard

HI Kemler

U.S.A. DOT Class Not a DOT controlled material (United States).

NFPA

Health

Flammability

Reactivity

Specific hazard

RQ

Packaging Instructions

**Section 15. Regulatory Information and Warning Labels**

(R) Risk Phrases R36- Irritating to eyes.

(S) Safety Phrases S02- Keep out of the reach of children S25- Avoid contact with eyes S26- In case of contact with eyes, rinse immediately with plenty of water. S28- After contact with skin, wash immediately with plenty of water.

*NOTE: This product has been classified in accordance with applicable country-specific regulations.*

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**Section 16. Other Key Information**

**Other Considerations** See product label and package insert for additional information.

19 January 2002 Responsible for MSDS: Global Engineering, Environmental and Safety

Fort Dodge Animal Health -- within American Home Products Corporation

**Notice to Reader**

*\* This symbol indicates information which has changed from the previous MSDS.*

*The information provided in this MSDS is based on current knowledge, however, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package precautions and this information. All materials may present unknown hazards and should be used with caution.*

*MSDSs available in multiple languages*



# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Rabvac® 1

**Product No.:** RM1000202

**GHS Product Identifier:** Not applicable

**Synonyms:** No data available

Molecular Formula: Mixture, not applicable

Molecular Weight: Mixture, not applicable

CAS Number: Mixture, not applicable

Chemical Family: Veterinary Vaccine

**Manufacturer:**

Boehringer Ingelheim Vetmedica, Inc.

800 5<sup>th</sup> Street NW

PO Box 518

Fort Dodge, IA 50501

**Telephone: (515) 955-4600**

**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:** Indicated for vaccination of  
healthy dogs and cats for the prevention of  
disease due to rabies.

## 2 HAZARDS IDENTIFICATION

### Emergency Overview

**Physical State:** Killed virus in an opaque injectable solution

**Color:** Reddish-white

**Odor:** Odorless



### **WARNING!**

**For use in dogs and cats only.**

**Not for human use.**

**Allergic reactions can occur.**

**Precautionary Statements:**

Accidental human injection can cause serious local reactions or anaphylactic reaction and systemic effects.

Keep only in original container.

Keep at a temperature between 2° - 7°C (35° – 45° F).

Do not freeze.

Store out of direct sunlight.

Fire-fighting: Use foam, carbon dioxide, dry powder and water fog or material appropriate for surrounding fire.

Avoid contact with eyes, skin and clothing.

Wear suitable gloves and eye/face protection.

Spills: Cover with absorbent or contain. Collect and incinerate.

In case of accident/exposure 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.

If swallowed, seek medical advice immediately and show this container or label.

In case of contact with eyes, flush with gently flowing fresh water thoroughly.

This material and its container must be disposed of in a safe way.

Keep out of reach of children.

Keep away from food, drink, and animal feedstuffs.

**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):** Skin

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

**Environment:** No data available

Chemical Name	EC No.	CAS- No.	Concentration	Classification	Notes
Rabies Virus (killed)	----	----	proprietary	----	---
Proprietary adjuvant	----	----	trade secret	----	---

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

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

#### 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.

#### 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 PRODUCT: 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:** None Established.

**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:** Reddish-white

**Odor:** Odorless

**Odor Threshold:** No data available

**Physical State:** Killed virus in an opaque injectable solution

**pH:** 6 - 8

**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

**Specific Gravity:** No data available

**Solubility:** Easily soluble in cold water, hot water, methanol, n-octanol, acetone, diethyl ether

**Partition Coefficient (n-Octanol/water):** No data available

**Autoignition Temperature:** Not applicable

**Decomposition Temperature:** No data available

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Stability:** Stable

**Conditions to Avoid:** Temperatures below 2° C (35° F)

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** None known

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

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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Rabvac 1 is considered non-toxic.

**Listed Carcinogens:** None

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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**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

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**General Information:** Dispose of in accordance with local, state, federal, national or international 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 disposal.

**RCRA Information:** Not applicable

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT:** Not regulated

**TDG:** Not regulated

**ADR/RID:** Not regulated

**IATA:** Not regulated

**IMDG:** Not regulated

<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:** Non-controlled

**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.

**US Regulations**

**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.

**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):** None listed.

**Massachusetts Right-To-Know List:** None listed.

**Minnesota Hazardous Substances List:** None listed.

**New Jersey Right-To-Know List:** None listed.

**Pennsylvania Right-To-Know List:** None listed.

**Rhode Island Right-To-Know List:** None listed.

### **European Regulations**

**Austria MAK List (Annex I):** None listed.

**Denmark (Annex 3.6):** None listed.

**Germany (Dangerous Substances Ordinance 2004, Annex III):** None listed.

**Norway (List of Dangerous Substance):** None listed.

**Sweden (Annex 3):** None listed.

**Switzerland (Toxins List 1):** None listed.

## **16 OTHER INFORMATION**

### **Hazard Ratings**

	<b>Health Hazard</b>	<b>Fire Hazard</b>	<b>Reactivity Hazard</b>
<b>HMIS</b>	1	0	0

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

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

### **ABBREVIATIONS:**

BIV – Boehringer Ingelheim Vetmedica, Inc.

N/A – Not applicable

N/E – Not established

pph – parts per hour

### **References:**

1. Rabvac 1 MSDS and Label. Fort Dodge Animal Health.
2. Ariel WebInsight Regulatory Database. Regulatory Summary for North America, Western Europe, and Global Inventories Database.
3. GHS Manual

### **Revision Information:** New MSDS

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

**Issue Date:** 08/09/2010

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