



Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 04/15/2005

Reviewed on 04/11/2005

1 Identification of substance

· **Product details**

· **Trade name:** **RABORAL V-RG® with Bait**

· **Product number:** 2314, 2314C, 2314F, 2314R, 2316, 2316C, 2316F, 2316R

· **Manufacturer/Supplier:**

Merial Limited
115 Transtech Drive
Athens, GA 30601
Tel.: +1 706 548 9292

· **Information department:** MSDS Coordinator

· **Emergency information:**

Spill Information:

CHEMTREC® 1-800-424-9300
CHEMTREC® International 1+703-527-3887
International calls 011+703-527-3887
Reverse charges.

2 Composition/Data on components

· **Chemical characterization:**

· **CAS No. Description**

Non hazardous substance

· **Chemical characterization**

· **Vaccine components**

This product is a vaccine (biological) for use in animals.

It is not considered to be a hazardous chemical in accordance with the OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

· **Liquid component contains:**

This product consists of a gene-deleted, attenuated live vaccinia virus vector which expresses rabies glycoprotein.

3 Hazards identification

· **Hazard description:** Not applicable.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1
FIRE 0 Fire = 0
REACTIVITY 0 Reactivity = 0

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 04/15/2005

Reviewed on 04/11/2005

Trade name: RABORAL V-RG® with Bait

4 First aid measures

- **General information:** No special measures required.
 - **After inhalation:** Not an expected route of entry.
 - **After skin contact:**
 Immediately wash with water and soap and rinse thoroughly.
 If skin irritation occurs, consult a doctor.
 - **After eye contact:**
 Rinse opened eye for a minimum of 15 minutes under running water. Get medical attention immediately.
 - **After swallowing:** Immediately call a doctor.
 - **After self injection**
 - **Information for doctor.**
 The following symptoms may occur
 Localized skin lesions are possible.
 - **Danger**
 Potentially hazardous to health if any of the following should occur: Ingestion, parenteral inoculation, droplet or aerosol exposure of mucous membranes or if broken skin is exposed to infectious fluids or tissues.
- All people should avoid contact, but young children, pregnant women, individuals with immune deficiencies or those on steroids should avoid contact with this vaccine.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Protective equipment:**
 Fire fighters should wear self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to section XIII.
 To clean spills or contamination use 1:30 dilution of household bleach.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 Store in cool, dry place in tightly closed containers.
 Handle with care. Avoid jolting and impact.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original container.
- **Further information about storage conditions:** Store in a cool, dry, well ventilated place.
- **Recommended storage temperature:**
 35.6-44.6°F
 2-7°C

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 04/15/2005

Reviewed on 04/11/2005

Trade name: **RABORAL V-RG® with Bait**

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - Do not store food in the working area.
 - Do not eat, drink or smoke in work areas.
 - Do not inhale vaccine.
- **Protection of hands:** Impervious gloves to minimize skin contact.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Light weight protective clothing

9 Physical and chemical properties

· General Information

Form:	Solid Liquid Bait is a square fish-meal or dogfood/soy-meal polymer. Vaccine is a liquid.
Color:	Red Bait is brownish. Vaccine is pink to red.
Odor:	Recognizable Bait has the odor of fish-meal or dogfood. Vaccine is odorless.

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100°C (212°F)

· **Flash point:** 200°C (392°F)

· **Danger of explosion:** Product does not present an explosion hazard.

· **Specific gravity:** Not determined.

· Solubility in / Miscibility with

Water: Fully miscible.

Organic solvents: 0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Irritant to skin and mucous membranes.
 - **on the eye:** Irritating effect.
- **Sensitization:** Sensitizing effect by skin contact is possible with prolonged exposure.

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 04/15/2005

Reviewed on 04/11/2005

Trade name: RABORAL V-RG® with Bait

· **Other information (about experimental toxicology):**

TARGET ORGANS:

Mucosal surfaces. Skin.

· **Additional toxicological information:**

Danger through skin absorption.

The substance is not subject to classification.

12 Ecological information

· **Information about elimination (persistence and degradability):**

· **Other information:** Viability of the virus varies with environmental conditions.

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation:** Incinerate in EPA licensed Bio/Medical waste facility.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is not listed.

· **CA Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 04/15/2005

Reviewed on 04/11/2005

Trade name: RABORAL V-RG® with Bait

· **Chemicals known to cause reproductive toxicity:**

Substance is not listed.

· **Carcinogeny categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **MAK (German Maximum Workplace Concentration)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

· **Product related hazard informations:**

The substance is not subject to classification according to the sources of literature known to us.
 Observe the general safety regulations when handling chemicals.

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:** MSDS Coordinator, msds@merial.com