

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

Printing date 08/13/2007

Reviewed on 08/13/2007

1 Identification of substance

- **Product details**
- **Trade name:** RABORAL V-RG® FFM
- **Item number:** 1225 and 67392
- **Manufacturer/Supplier:**
Merial, Inc
115 Transtech Drive
Athens, GA 30601
Tel.: 1-888-MERIAL 1 (1-888-637-4251), Option 3
- **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.
- **Information pertaining to particular dangers for man and environment:**
R 21 Harmful in contact with skin.
R 22 Harmful if swallowed.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



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Trade name: RABORAL V-RG® FFM**4 First aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Consult a doctor.
- **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.**
Report any exposure or adverse effects to the manufacturer.
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 and individuals with immune deficiencies or those on steroids should not handle this vaccine.

5 Fire fighting measures

- **Suitable extinguishing agents:** Water spray, carbon dioxide, foam or dry chemical powder.
- **Protective equipment:**
Fire fighters should wear self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
To clean spills or contamination use 1:30 dilution of household bleach.
Dispose of contaminated material as waste according to section 13.
- **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.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
- **Recommended storage temperature:**
35.6-44.6°F
2-7°C

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8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Wash hands before breaks and at the end of work.
 Do not store food in the working area.
 Do not inhale vaccine.

- Do not eat, drink or smoke in the work area.

- Minimize contact with skin, oral cavities or eyes.
 Ensure unused containers are sealed and properly labeled.
 Not to be handled by pregnant women.
- **Breathing equipment:** Not required for this formulation when used in accordance with directions.
- **Protection of hands:** Impervious gloves to minimize skin contact.
- **Penetration time of glove material** Not Applicable.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Impervious protective clothing

9 Physical and chemical properties

· General Information

Form:	Liquid
Color:	Pink to red
Odor:	Odorless

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** >200 ° F

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

· **Specific gravity:** Not determined.

· **Solubility in / Miscibility with Water:** Fully miscible.

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:** May cause irritation.
- **Sensitization:** Sensitizing effect by skin contact is possible with prolonged exposure.

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· **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.

· **Recommended cleansing agent:** To clean spills or contamination use 1:30 dilution of household bleach.

14 Transport information

· **DOT regulations:**

· **Hazard class:** Not regulated

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

· **UN-Number:** Not regulated

· **Maritime transport IMDG:**

· **IMDG Class:** Not regulated

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:** Not regulated

· **Transport/Additional information:** Not Regulated

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.

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Trade name: RABORAL V-RG® FFM**· CA Proposition 65****· Chemicals known to cause cancer:**

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.

· Risk phrases:

21 Harmful in contact with skin.
22 Harmful if swallowed.

· Safety phrases:

2 Keep out of the reach of children.
3 Keep in a cool place.
24/25 Avoid contact with skin and eyes.

· 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.

- Department issuing MSDS:** MSDS Coordinator
- Contact:** MSDS Coordinator, msds@merial.com

USA