



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

Printing date 08/16/2000

Reviewed on 08/16/2000

**1 Identification of substance**

- **Product details**
- **Trade name:** RABORAL V-RG® FFM
- **Product number:** 1225
- **Manufacturer/Supplier:**  
Merial Limited  
115 Transtech Drive  
Athens, GA 30601  
Tel.: +1 706 552 2739  
Fax.: +1 706 543 3059
- **Information department:** MSDS Coordinator
- **Emergency information:**  
Spill Information: CHEMTREC® 1-800-424-9300  
CHEMTREC® International 1+703-527-3887  
Reverse charges.  
Health Information: 1-888-637-4251, Option 5

**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 based on evaluations made 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)**



Health = 1  
Fire = 0  
Reactivity = 0

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

HEALTH	1
FIRE	0
REACTIVITY	0

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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:** 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. If symptoms occur, consult a doctor.
- **After swallowing:** Immediately call a doctor.
- **Information for doctor:**  
Report any exposure or adverse effects to the manufacturer.
- **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 and individuals with immune deficiencies or those on steroids should avoid contact with 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 contaminated material as waste according to section XIII.
- **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.

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- Further information about storage conditions:
- Recommended storage temperature:  
35.6-44.6°F  
2-7°C

**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.
- Eye protection: Goggles recommended during refilling.
- Body protection: Impervious protective clothing

**9 Physical and chemical properties**

- Form: Liquid
  - Color: Pink to red
  - Odor: Odorless
  -
- |   | <u>Value/Range</u> | <u>Unit</u> | <u>Method</u> |
|---|--------------------|-------------|---------------|
| · Change in condition   |                    |             |               |
| · Melting point/Melting range:  | Undetermined.      |             |               |
| · Boiling point/Boiling range:  | Undetermined.      |             |               |
| · Flash point:  | >200               | ° F         |               |
| · Danger of explosion:<br>Product does not present an explosion hazard. |                    |             |               |
| · Specific gravity:   | Not determined.    |             |               |
| · Solubility in / Miscibility with<br>· 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.

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**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.
- **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:** Non regulated
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** Non regulated
- **Maritime transport IMDG:**
- **IMDG Class:** Non regulated
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Non regulated

**15 Regulations**

- **Sara**  
Section 355 (extremely hazardous substances):  
Substance is not listed.  
Section 313 (Specific toxic chemical listings):

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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.

**Chemicals known to cause reproductive toxicity:**

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, 706-552-2739, msds@merial.com**

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