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**PREPARED BY:** Ursula Potgieter  
**UPDATED:** 17 May 2016



# MATERIAL SAFETY DATA SHEET

## RODEX PASTE BAIT

### 1. PRODUCT IDENTIFICATION:

**Name:** Innovative Pest Management  
**Address:** No. 18 Aschenberg Street  
Chamdor  
Krugersdorp  
**Tel. Nr.:** (011) 769 1300  
**Fax Nr.:** (011) 762 5712  
**Emergency Tel Nr.:** 083 326 3581 / 082 823 4473      **OR**      0800172743  
**Trade Name:** Rodex Paste Bait

### 2. COMPOSITION:

**Chemical Family:** Coumarin anticoagulant  
**Common Name:** Brodifacoum  
**Chemical Name:** 3-[3-(4'-bromobiphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl]-4-hydroxycoumarin  
(Active Ingredient)  
**Molecular Formula:** C<sub>31</sub> H<sub>23</sub> BrNO<sub>3</sub> (Active ingredient)  
**UN Nr.:** None allocated  
**C.A.S. Nr.:** [56073-10-0] (Active Ingredient)  
**Product Description:** A HIGHLY ACTIVE anticoagulant bait for the control of the Norway rat, Roof rat, the House mouse and Gerbilles  
**Hazardous components:** Brodifacoum (Anticoagulant) 0.05 g/kg

**CONTAINS BITREX FOR SAFETY / PRECAUTIONARY PURPOSES**

### 3. HAZARD IDENTIFICATION:

The preparation is non-dangerous in accordance with Directive 1999/45/EC Unlikely to cause harmful effects under normal conditions of handling and use. Harmful to Wildlife. Wild mammals and birds may be at greater risk if the product is not used in accordance with its label.

### 4. FIRST AID MEASURES:

#### **Skin contact**

May cause skin irritation in susceptible persons. Remove contaminated clothing Wash off immediately with soap and plenty of water. If irritation persists obtain medical attention Contaminated clothing should be washed and dried before re-use.

#### **Eye contact**

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May cause irritation to eyes. Seek medical attention if irritation or symptoms persist. Wash with water.  
Inhalation

Unlikely to present an inhalation hazard as the product is supplied as a paste.  
Move to fresh air. Obtain medical advice immediately.

#### **Ingestion**

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

#### **General information**

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). **ADVICE FOR DOCTORS:** Brodifacoum is an indirect anticoagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalises. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

### **5. FIRE-FIGHTING MEASURES:**

#### **Extinguishing media**

Keep fire exposed containers cool by spraying with water if exposed to fire. Carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry powder, water spray, mist or foam..

Do not use water jets.

Do NOT use ... Do not use water jets.

#### **Protective equipment**

In the event of fire, wear self-contained breathing apparatus, suitable gloves and boots.

### **6. ACCIDENTAL RELEASE MEASURES:**

#### **Personal precautions:**

Wear suitable protective clothing, gloves and eye/face protection.

Prevent further leakage or spillage if safe to do so.

#### **Environmental precautions:**

Clean up promptly by sweeping or vacuum. Transfer to a suitable labelled container. Subsequently, wash the contaminated area with water, taking care to prevent the washings entering sewers or drains.

### **7. HANDLING AND STORAGE:**

#### **Handling:**

Avoid contact with skin and eyes. Avoid dust formation. Do not smoke eat or drink while handling this product. Always use good personal hygiene procedures when handling chemicals. Wash hands and face before eating, drinking or smoking. Read the label before use.

#### **Storage:**

Keep in a cool, well-ventilated place. Protect from extremes of temperature. Store at temperatures between 50C and 250C. Keep out of the reach of children. Keep away from food and animal feedstuffs Keep away from oxidising agents.

#### **Specific use:**

Ready for use rodenticide containing 50 ppm brodifacoum. For Indoor use only.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Exposure limits**

Propylene glycol particulates  
(Propane-1,2-diol particulates)  
Propylene glycol

WEL 8-hr limit ppm: -  
WEL 15 min limit ppm: -  
WEL 8-hr limit ppm: 150

WEL 8-hr limit mg/m<sup>3</sup>: 10  
WEL 15 min limit mg/m<sup>3</sup>: -  
WEL 8-hr limit mg/m<sup>3</sup>: 474

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(Propane-1,2-diol total vapour and particulates)

WEL 15 min limit ppm: -

WEL 15 min limit mg/m<sup>3</sup>: -

WEL 8-hr limit ppm:

WEL 8-hr limit mg/m<sup>3</sup>: 10

Flour

WEL 15 min limit ppm:

WEL 15 min limit mg/m<sup>3</sup>: 30

**Respiratory protection:** Unlikely to present an inhalation hazard. If levels approach the WEL then suitable approved respiratory protection should be worn.  
**Hand protection:** Impervious gloves.  
**Eye protection:** Not required  
**Protective equipment:** Impervious clothing, boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** RED paste in a sachet

**Odour:** Characteristic odour

## 10. STABILITY AND REACTIVITY DATA:

**Stability:**

Stable under normal conditions.

**Conditions to avoid:**

Heat, sparks and open flames.

**Materials to avoid:**

Oxidising agents.

**Hazardous decomposition products:**

Combustion or thermal decomposition will produce toxic and irritant fumes.

## 11. TOXICOLOGICAL INFORMATION:

Acute Oral: Rat: 1,35 mg/kg

Technical:

Acute percutaneous LD50 for female rats 3.16, male rats 5.21 mg/kg. Slight to mild skin and eye irritant (rabbits). A moderate skin sensitiser (guinea pigs), but negligible risk of sensitisation from formulated product. Inhalation LC50 (4 h) for male rats 4.86, female rats 3.05 µg/l air.

## 12. ECOLOGICAL INFORMATION:

As the product contains 50ppm brodifacoum, unlikely to be hazardous to aquatic life. Harmful to wildlife. Read All Precautions before use.

## 13. DISPOSAL CONSIDERATIONS:

Dispose of in compliance with all local and national regulations.

Disposal of packaging:

Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION:

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**ADG Code:** This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

## 15. REGULATORY INFORMATION:

National legislation: RSA Registration number: L9566

## 16. OTHER INFORMATION:

Handle with **EXTREME** care.

Prevent access to bait by children, uninformed persons and domestic animals.

Store under lock and key, away from food and feedstuffs.

Poisonous if swallowed and upon prolonged contact with the skin.

Toxic to fish and wildlife.

**Hazchem Code** Emergency action code of numbers and letters that provide information to emergency services especially firefighters

**IARC** International Agency for Research on Cancer

**NOHSC** National Occupational Health and Safety Commission

**NOS** Not otherwise specified

**NTP** National Toxicology Program (USA)

**R-Phrase** Risk Phrase