



# RATOL RAT CAKE

# MSDS

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## SECTION I. PRODUCT INFORMATION

<b>PRODUCT NAME:</b> Ratol Cake	<b>CHEMICAL:</b> Bromadiolone	<b>CHEMICAL FAMILY:</b> Hydroxycoumarin
<b>USE:</b> Anticoagulant Rodenticide	<b>FORM:</b> Formulated Dry Bait	<b>CIB REGISTRATION NO:</b> CIR38,225/2002(219)/BROMADIALONE (CAKE)-56 <b>BIS LICENCE NO:</b> IS 12912 : CM/L 3608863

## SECTION II. HAZARDOUS INGREDIENTS

INGREDIENT NAME:		% BY WEIGHT
<b>COMMON NAME:</b> Bromadiolone	<b>IUPAC NAME :</b> 3-[3-(4'-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin	0.005

## SECTION III. PHYSICAL DATA

<b>APPEARANCE</b> : Rectangular Block	<b>COLOUR</b> : Dark Green
<b>ODOR</b> : Sweet Grain like	<b>SPECIFIC GRAVITY</b> : N/A
<b>MELTING POINT</b> : N/A	<b>BOILING POINT</b> : N/A
<b>WATER REACTIVITY</b> : N/A	<b>EVAPORATION RATE</b> : N/A
<b>VAPOR DENSITY</b> : N/A	<b>VAPOR PRESSURE</b> : N/A
<b>SOLUBILITY</b> : N/A	<b>BULK DENSITY</b> : N/A

## SECTION IV. FIRE AND EXPLOSION DATA

<b>FLASH POINT:</b> N/A	<b>FLAMMABLE LIMIT:</b> <b>UPPER LIMIT:</b> N/A <b>LOWER LIMIT:</b> N/A	<b>AUTOIGNITION TEMP:</b> N/A
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### EXTINGUISHING MEDIA:

Extinguish with water, foam or inert gas.

### FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus and protective clothing.. Minimize amount of water used and contain the runoff by diking.

### OTHER FIRE OF EXPLOSION HAZARD:

None

## SECTION V. REACTIVITY HAZARD DATA

<b>STABILITY:</b> Stable	<b>CONDITIONS TO AVOID:</b> None
<b>HAZARDOUS POLYMERISATION:</b> Will Not Occur	<b>CONDITIONS TO AVOID:</b> None
<b>INCOMPATIBILITY:</b> Strongly alkaline materials	<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> N/A

## SECTION VI. TOXICITY DATA

<b>LD50, ORAL (INGESTION):</b> > 5000 mg/Kg (rats)	<b>LD50,DERMAL(SKIN CONTACT):</b> > 5001 mg/Kg (rats)	<b>LC50, INHALATION:</b> N/A
<b>EYE IRRITATION:</b> None (Rabbits)	<b>SKIN IRRITATION:</b> None (Rabbits)	<b>DERMAL SENSITIZATION:</b> Not Considered as a Sensitizer

SECTION VII. HEALTH HAZARDS				
<b>PRIMARY ROUTE OF ENTRY:</b> Ingestion		<b>SIGNS AND SYPTOMS OF EXPOSURE:</b> Nausea, Vomiting, loss of Appetite, extreme thirst, lethargy, diarrhea, bleeding		
<b>ACUTE:</b>	<b>INGESTION:</b> Poisonous	<b>EYE:</b> N/A	<b>SKIN:</b> N/A	<b>INHALATION:</b> N/A
<b>CHRONIC:</b> Repeated minor exposure may have a cumulative poisoning effect				
<b>EMERGENCY FIRST AID PROCEDURES:</b> <b>Eyes:</b> Flush with cool water for at least 15 minutes. If irritation develops, obtain medical assistance. <b>Skin:</b> Wash with soap and water. <b>Ingestion:</b> Call physician immediately. Do not give anything by mouth or induce vomiting unless instructed by the physician. <b>Inhalation:</b> None				
<b>NOTE TO PHYCISIAN:</b> If ingested and signs of poisoning occurs, administer Vitamin K <sub>1</sub> , intramuscularly or orally, based on lab reports on clotting time Repeat as necessary with continuous monitoring of prothrombin time.				
SECTION VIII. CONTROL AND PROTECTIVE METHODS				
<b>RESPIRATOR TYPE:</b> Not Required		<b>EYE PROTECTION:</b> Not Required		
<b>GLOVES (Recommend):</b> Rubber Gloves		<b>VENTILATION:</b> Not Required		
<b>OTHER PROTECTIVE METHODS:</b> Not Required				
SECTION IX. SPILL OR LEAK PROCEDURE				
<b>STEPS TO BE TAKEN IN THE EVENT OF LEAKAGE OR SPILL:</b> Sweep up spilled material, place in properly labeled container for disposal or re-use				
<b>WASTE DISPOSAL METHOD:</b> Dispose of empty packaging material in household garbage. Dispose of waste or excess bait by burial below 0.5 meters or in accordance with local government regulations.				
SECTION X. SPECIAL PRECAUTIONS AND STORAGE DATA				
<b>STORAGE TEMPERATURE:</b> Room Temperature		<b>AVERAGE SHELF LIFE:</b> Bait is stable for a minimum of 2 Years when stored under proper conditions		
<b>SENSITIVITY (HEAT, LIGHT, MOISTURE):</b> Avoid exposure to light and extreme humidity				
<b>PRECAUTIONS FOR HANDLING AND STORAGE:</b> Store in a cool, dry place inaccessible to children, pets and wildlife. Keep packing in sealed condition when not in use. Avoid contamination of lakes, streams and ponds by use, storage or disposal. Wash thoroughly with soap and water after handling.				
<b>DISCLAIMER:</b> The physical values and properties described in this MSDS are typical values based on scientific literature and materials produced to date, and are believed to be reliable. Ultima Search provides no warranties; either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purpose prior to the use of this product.				

# Label

Net Contents : 100 g  
कुल भार : १०० ग्राम

Batch No :  
बॉच नं  
Mfg Date :  
निर्माण तिथि  
MRP. ₹ :  
(Inclusive of all taxes)  
अधिकतम खुदरा-विक्रि रु. (सब करों सहित)  
Expiry : 2 years from Date of Mfg.  
अवसान तिथि: निर्माण तिथि से दो साल



Regn No.: CIR38.225/2002(219)/BROMADIOLONE(CAKE)-56  
रजि. नं. : सीआयआर-३८.२२५/२००२(२१९)/ब्रोमोडायोलोन(केक)-५६  
Mfg. Lic. No.: 258, Dt.- 31/05/1988 सं.ल.नं.: २५८.दि.-३१/०५/१९८८

**RATS MOSTLY DIE OUTDOORS  
SAFER FOR PETS**

Ultima's  
**Ratol**  
RAT CAKE



IS 12912



CM/L 3608863

Keep in a cool dry place away from heat and open flame. If swallowed or if symptoms of poisoning occurs, call the physician immediately.  
Do not touch with cake with bare hands as the rats may not eat bait with human smell.

Mfg. & Mktd. By: Ultima Search, 51-B Phase-I, GIDC, Vapi, Gujarat  
निर्माण : अल्टिमा सर्च ५१-बी फेज-१ डि.आई.डि.सी.वापी-३९१११९.



Break the cake into small pieces in the pouch itself



Put the pieces along points of the rat's regular route



Put some pieces where they come frequently



Most of the times rats die outdoor or in the open

**Bromadiolone 0.005% 'RB' 'Ratol'**  
Rodenticide Cake  
Composition:  
Bromadiolone a.i. : 0.005% w/w  
Adjuvants : Q.S. to make 100% w/w.  
(Details in Leaflet)  
Antidote: Vitamin K, Administer orally or intramuscularly.  
Directions for use: A single dose anticoagulant. Recommended for control of rats in residential premises, poultry farms and in the fields. Place the bait near burrows or places frequented by rats. See enclosed leaflet for details.

ब्रोमोडायोलोन ०.००५% 'आर बी' 'रैटोल'  
बुधनाशक केक  
रचना: ब्रोमोडायोलोन सक्रिय तत्व ०.००५% भार/भार बाकी तत्व ९९.९९५% भार/भार  
विषप्रतिकारक : विटामिन K, यह स्नायुद्वारा या मुँह द्वारा दियिए।  
निर्देश : यह एक ही मात्रा एन्टीकोयागुलन्ट है। ये परतलु जगह कुक्कुट, कर्म और खेतों में अनेकवर्षे सुई की सहायता के लिये प्रभावकारी है। ये बास सुई के बिल्क के पास ऐसी जगह रखें जहाँ सुई आने जाते रहते हैं। साथ में दी गयी सुचनाओं को जरूर देखिए।

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