

**MATERIAL SAFETY DATA SHEET : BROMADIOLONE 0.005 % RB**

**1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

|                           |   |
|---------------------------|---|
| PRODUCT NAME              | Bromadiolone 0.005 % RB                                   |
| MOLECULAR FORMULA         | C <sub>30</sub> H <sub>23</sub> BrO <sub>4</sub>          |
| SYNONYMS                  | NONE  |
| FYTOCARE CHEMICALSPVT LTD | SF NO 397/3 Madukkarai Main Road, Bodipalayam, Coimbatore |

For Medical emergency and chemical emergency, spill, leak, fire, exposure or accident calls:

91 – 422 - 2610518

**2.COMPOSITION / INFORMATION ON INGREDIENTS**

| COMPONENT    | CAS NO         | ACTIVE CONTENT |
|--------------|----------------|----------------|
| BROMADIOLONE | 28772 – 56 - 7 | 0.005 %        |
| ADJUVANTS    |                | Q.S            |

**3.HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW

|                      |                               |
|----------------------|-------------------------------|
| APPEARANCE AND ODOUR | Green wax block               |
| WARNING STATEMENT    | Keep out of reach of children |

**POTENTIAL HEALTH EFFECTS**

|                           |  |
|---------------------------|--|
| LIKELY ROUTES OF EXPOSURE | Skin contact, Inhalation and Ingestion |
| EYE CONTACT               | Mild irritant                          |
| SKIN CONTACT              | Non- Irritant to skin                  |
| INGESTION                 | Harmful if swallowed                   |

|                |  |
|----------------|--|
| INHALATION     | No Significant Adverse Effect                |
| HEALTH EFFECTS | Acute and chronic Effects from Over exposure |

#### **4.FIRST AID MEASURES AND ANTIDOTE**

|            |   |
|------------|---|
| IF IN EYES | Immediately hold eyelids open and flush with plenty of water.<br><br>Get medical attention  |
| IF ON SKIN | Immediate First Aid is not likely required. However, this material can be<br><br>Removed with soap and water. Wash the contaminated clothing.   |
| IF INHALED | Remove individuals to fresh air. If not breathing give artificial respiration<br><br>Get medical attention  |
| ANTIDOTE   | Vitamin K1 is Antidotal. Determine the prothrombin times not less than 18<br><br>Hours after consumption. If elevated administer vitamin K1 untill prothrombin<br><br>Time normalizes. Continue determination of prothrombin time for two weeks<br><br>After withdrawal of antidote and resume treatment if elevation occurs in that<br><br>Time. |

#### **5.FIRE FIGHTING MEASURES**

|                           |   |
|---------------------------|---|
| FLASH POINT               | NA  |
| AUTO IGNITION TEMPERATURE | NONE  |
| EXTINGUISHING MEDIA       | Foam, CO2, halon, water spray or dry chemical. Soft stream water fog<br><br>If necessary  |
| FIRE FIGHTING PROCEDURE   | Isolate the area. Evacuate down wind. Wear full protective clothing and<br><br>Self contained breathing apparatus. Do not breathe smoke, gases or |

Vapours generated. Try to keep containers cool with soft stream water

Fog.

## **6.ACCIDENTAL RELEASE MEASURES**

Keep unnecessary people away. Wear protective equipment. Prevent product from entering drains.

## **7.HANDLING AND STORAGE**

### **HANDLING**

Avoid inhalation and skin contact . the users should use full protective clothing which includes rubber gloves, rubber boots. Wash exposed skin surface before smoking, drinking, or eating. Workers should shower at the end of each work shift. Launder all clothing before reuse.

### **STORAGE**

Store in a cool dry place. Avoid excess heat. Store in original containers only. Keep out of reach of children & animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

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

|                        |   |
|------------------------|---|
| EYE PROTECTION         | Safety goggles or face shield is recommended  |
| SKIN PROTECTION        | Wear chemical protective gloves made of materials such as neoprene  |
| RESPIRATORY PROTECTION | For vapour or mist exposure wear a full face or half face air purifying<br>Respirator which is approved for pesticides. |

## **9.PHYSICAL AND CHEMICAL PROPERTIES**

|            |                 |
|------------|-----------------|
| APPEARANCE | Dark Green Cake |
| ODOUR      | Sweet           |

FYTOCARE CHEMICALS PRIVATE LIMITED  
SF NO 397 /3 , MADUKKARAI MAIN ROAD, BODIPALAYAM VILLAGE, COIMBATORE

|                    |   |
|--------------------|---|
| BOILING POINT      | NA  |
| DENSITY            | NA  |
| ACIDITY            | NA  |
| FLASH POINT        | NA  |
| IN COMPATIBILITY   | In compatible with alkalies   |
| EMULSION STABILITY | NA  |
| SOLUBILITY         | Dimethyl formamide : 730g / L at 20deg C<br>Ethanol : 8.2g / L at 20 deg C<br>Ethyl Acetate : 25g / L at 20 deg C |
| CORROSIVENESS      | Non corrosive to metals   |

#### **10.STABILITY AND REACTIVITY**

|                         |  |
|-------------------------|--|
| CONDITIONS TO AVOID     | May burn does not ignite readily. Containers may explode in heat of fire                                     |
| MATERIALS TO AVOID      | Move containers from fire area if possible. Stay away storage tank ends.                                     |
| HAZARDOUS DECOMPOSITION | Thermal decomposition products may include toxic and<br>Corrosive fumes of bromide & toxic oxides of carbon. |

#### **11.TOXICOLOGICAL INFORMATION**

LD50 Oral – rat : 0.76 mg/kg ( Technical )

– mice : 0.53 mg/kg ( Technical )

LD50 Dermal – rat : 3.29 mg/kg ( Technical )

Skin Irritation : non Irritating to skin ( rabbit ) (technical)

Eye Irritation : Mild Irritant to eyes ( rabbit ) (technical)

Skin Sensitisation : Not known as a skin sensitizer (technical)

## **12.ECOLOGICAL INFORMATION**

Ecological information is not available as the Bromadiolone is used in the form of baits.

## **13.DISPOSAL CONSIDERATIONS**

Must be disposed of by special means. Suitable incineration and chemical treatment in accordance with local regulations . Do not discharge into drains or the environment.

## **14.TRANSPORT INFORMATION**

Stable at room temperature and during transport. Transport in properly sealed and labeled containers

Department of transportation hazard classification 49 CFR 172.101 : poison B

## **15.REGULATORY INFORMATION**

R22 : Harmful if swallowed

R36 : Irritating to Eye

S ½ : Keep locked up and out of the reach of children

S28 : After contact with skin, wash immediately with plenty of water and soap

S36 / 37 Wear suitable protective clothing and gloves

## **16.OTHER INFORMATION**

### **MANUFACTURER'S DATA**

|                  |  |
|------------------|--|
| NAME OF THE FIRM | FYTOCARE CHEMICALS PRIVATE LIMITED                             |
|                  | SF NO 397/3, Madukkarai road, Bodipalayam Village              |
|                  | Coimbatore – 641 105   |
| TELEPHONE        | 91 - 422 – 2610518   |
| EMAIL            | <a href="mailto:thiochemi@dataone.in">thiochemi@dataone.in</a> |
| STANDARD PACKING | Bilaminated poly pouches                                       |

FYTOCARE CHEMICALS PRIVATE LIMITED  
SF NO 397 /3 , MADUKKARAI MAIN ROAD, BODIPALAYAM VILLAGE, COIMBATORE

**DISCLAIMER**

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling , use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.