

# Safety Data Sheet

section

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name/designation : Jaguar Blox. (Wax Block Bait)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Rodenticide.

Uses advised against : No data available.

### 1.3 Details of the supplier of the safety data sheet

**Registrant/Authorization Holder** : **Name:** MC Pharma (Pty) Ltd  
**Street:** 62 Constantia Avenue,  
**Postal code/City:** Mnandi, Centurion, 0157  
**Country:** South Africa  
**Telephone:** +27 (0)12 668-3019  
**Web:** [www.mcpharma.co.za](http://www.mcpharma.co.za)

**Distributor** : **Name:** Pathogen & Environmental Solutions (Pty) Ltd  
**Street:** Unit 37 Silver Park, Silver Street,  
**Postal code/City:** Brackenfell Industria, Cape Town, 7560  
**Country:** South Africa  
**Telephone:** +27 (0) 21 982-8689 or +27 83 272 3302 and +27 83 295 1313  
**Email:** [info@pesafrica.net](mailto:info@pesafrica.net)

**Manufacturer** : **Name:** Bell Laboratories, Inc.  
**Street:** 3699 Kinsman Blvd,  
**Postal code/City:** Madison, WI, 53704  
**Country:** USA  
**Email:** [registration@belllabs.com](mailto:registration@belllabs.com)

### 1.4 Emergency Telephone Number

**ZA** : **POISON CENTER:** +27 861 555 777  
+27 83 272 3302 (PES)  
+27 83 295 1313 (PES)

## section 2 Hazards identification

### 2.1 Classification of the substance or mixture

**Hazards identification: The Mixture of the rodenticide block is classified as:**

H303 Acute Tox 5. ORAL	May be harmful if swallowed.
H313 Acute Tox 5. DERMAL	May be harmful in contact with skin.
H333 Acute Tox 5. INHALATION	May be harmful if inhaled.
H360 Repr. 1A	May damage fertility or the unborn child.
H373 STOT RE 2	May cause damage to organs (blood) through prolonged or repeated exposure.
H410 Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling

#### Hazard pictograms



#### Signal word

Warning

#### Hazards Statements

H303 Acute Tox 5. ORAL	May be harmful if swallowed.
H313 Acute Tox 5. DERMAL	May be harmful in contact with skin.
H333 Acute Tox 5. INHALATION	May be harmful if inhaled.
H360 Repr. 1A	May damage fertility or the unborn child.
H373 STOT RE 2	May cause damage to organs (blood) through prolonged or repeated exposure.
H410 Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements – Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

#### Precautionary Statements – Response

P321	Specific treatment (see first aid section and read label).
P308+313	IF exposed or concerned: Get medical advice/attention.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER!
P312	Call a POISON CENTER/doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water/ and seek medical attention

#### Precautionary Statements – Storage

P405	Store locked up.
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#### Precautionary Statements – Disposal

P501	Dispose of contents/container to local and national regulations. Never reuse container.
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### 2.3 Other hazards

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## section 3 Composition/information on ingredients

### 3.1 Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.

Contains:

4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin - **Brodifacoum (Anti-coagulant)**

Substance	Concentration(%)	Specific Concentration Limits	Classification
<b>(Brodifacoum) 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin</b>			
CAS N° 56073-10-0 EC N° 259-980-5 IDX N° 607-172-00-1	C ≤ 0.005%	Repr. 1A; H360D: C ≥ 0,003 % STOT RE 1; H372 (blood): C ≥ 0,02 % STOT RE 2; H373 (blood): 0,002 % ≤ C < 0,02 % M=10 M=10	Acute Tox. 2 H300 Acute Tox. 1 H310 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
<b>Inert and Non-Hazardous Ingredients</b>	C ≤ 99.99 %		Not classified.

### 3.2 Remark

Full text of H- phrases: see section 16.

## section 4 First aid measures

### 4.1 Description of first aid measures

#### General information:

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation:

No special measures are necessary.

Provide fresh air.

#### Following skin contact:

Wash with soap and water.

#### Following eye contact:

In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

#### Following ingestion:

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting.

#### Self-protection of the first aider:

No special measures are necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Most important symptoms and effects, both acute and delayed

Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhoea, bleeding.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes for the doctor:**

Treat symptomatically.

**Advice to physician:** If ingested, administer Vitamin K1 intramuscularly or orally as indicated by bishydroxycoumarin overdoses. Repeat as necessary as based upon monitoring of prothrombin times.

**section 5 Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media:**

Foam.  
Extinguishing powder.  
Carbon dioxide (CO<sub>2</sub>).  
Sand.

**Unsuitable extinguishing media:**

Strong water jet.

**5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**5.3 Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**5.4 Additional information**

Do not inhale vapors and fumes.  
Co-ordinate fire-fighting measures to the fire surroundings.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.  
Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**section 6 Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

**6.2 Environmental precautions**

Ensure that waste is collected and contained.

**6.3 Methods and material for containment and cleaning up**

Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed and suitable containers for disposal.

**6.4 Reference to other sections**

Safe handling: see section 7.  
Disposal: see section 13.  
Personal protection equipment: see section 8.

**Additional information**

Not available.

section **7** **Handling and Storage**

**7.1 Precautions for safe handling**

**PROTECTIVE MEASURES:**

No special measures are necessary.

**Advices on general occupational hygiene:**

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry, cool, and well-ventilated place.

Keep container in upright position in order to prevent leakage.

**Advice on joint storage:**

Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

section **8** **Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limits:**

Not available.

**Biological limit values:**

Not available.

**Exposure limits at intended use:**

Not available.

**8.2 Exposure controls**

**Appropriate engineering controls:**

See section 7. No additional measures necessary.



**Individual protection measures, such as personal protective equipment: Not available**

**Eye/face protection** : **Suitable eye protection:**  
Wear eye protection equipment.

**Skin protection** : **Hand protection:**  
**Suitable gloves type:**  
Wear protective gloves.

**Body protection:**  
**Suitable protective clothing:**  
No special measures are necessary.  
Lab coat.

**Respiratory protection** : **Suitable respiratory protection apparatus:**  
No data available.

**Environmental exposure controls:**

No special measures are necessary.

**Consumer exposure controls:**

Not available.

**Additional information**

Not available

## section 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	Solid wax blocks
Colour	:	Red
Odour	:	Sweet grain-like
Odour threshold	:	Not available
pH	:	Not available
Melting/Freezing point	:	Not available
Boiling point	:	Not available
Flash point	:	Not available
Evaporation rate	:	Not available
Flammability	:	Not available
Lower limit of flammability or explosive	:	Not available
Vapour pressure	:	Not available
Vapour density	:	Not available
Relative density	:	Not available
Water solubility	:	Negligible
Partition coefficient, n-octanol/water (log Pow)	:	Not available
Auto-inflammability temperature	:	Not available
Decomposition temperature	:	Not available
Viscosity	:	Not available
Explosive properties	:	Not available
Oxidising properties	:	Not available
Solubility in other Solvents	:	Not available
Particle characteristics	:	Not available

### 9.2 Other safety information

**Information concerning to the classes of physical hazards**

Not available

**Other security characteristics**

Not available.

## section 10 Stability and Reactivity

### 10.1 Reactivity

Stable when stored in original container in a cool, dry location.

### 10.2 Chemical stability

The product is stable when stored in original container in a cool, dry location.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

## 10.4 Conditions to avoid

Avoid extreme temperatures (below 0°C or above 40°C).

## 10.5 Incompatible materials

Avoid strongly alkaline materials.

## 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## 10.7 Additional information

Not available.

# section 11 Toxicological information

## 11.1 Information on toxicological effects

### **Acute oral toxicity:**

The product is classified as an Acute Tox. 5\_ORAL according to the GHS regulations.  
The ATE of "Jaguar Blox" is 100 000 mg/kg.

### **Acute dermal toxicity:**

The product is classified as an Acute Tox. 5\_DERMAL according to the GHS regulations.  
The ATE of "Jaguar Blox" is 149 600 mg/kg.

### **Acute inhalation toxicity:**

The product is classified as an Acute Tox. 5\_INHALATION according to the GHS regulations.  
The ATE of "Jaguar Blox" is 60 mg/l.

### **Skin corrosion/irritation:**

The product is not classified.

### **Serious eye damage/irritation:**

The product is not classified.

### **Skin sensitisation:**

The product is not classified.

### **Specific target organ toxicity (repeated exposure):**

The product is classified as H373 STOT RE 2 - May cause damage to organs (blood) through prolonged or repeated exposure.

### **Specific target organ toxicity (single exposure):**

The product is not classified.

### **Carcinogenicity:**

The product is not classified.

### **Reproductive toxicity:**

The product is classified as H360 Repr. 1A - May damage fertility or the unborn child.

### **Germ cell mutagenicity:**

The product is not classified.

**Sensitisation to the respiratory tract:**

The product is not classified.

**Additional information:**

Not available.

**11.2 Information on other hazards****Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**section 12 Ecological information****12.1 Toxicity**

The active ingredient Brodifacoum is Aquatic Acute 1 - Very toxic to aquatic life and an Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects. See section 3.

**12.2 Persistence and degradability**

The product has not been tested.

**12.3 Bioaccumulative potential**

The product has not been tested.

**12.4 Mobility in soil**

The product has not been tested.

**12.5 Results of PBT and vPvB assessment**

The product has not been tested.

**12.6 Endocrine disrupting properties**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**12.7 Other adverse effects**

Not available.

**Additional ecotoxicological information**

Not available.

**section 13 Disposal considerations****13.1 Waste treatment methods****Product/Packaging disposal:****Waste treatment options:****Appropriate disposal/Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal/Package:**



Non-contaminated packages must be recycled or disposed of.  
Contaminated packing must be completely emptied and can't be reused after proper cleaning. Must be disposed of.  
Packing which cannot be properly cleaned must be disposed of.  
Dispose of waste according to applicable legislation.

**Remark:**

For recycling, contact manufacturer.

**section 14 Transport information****14.1 UN number**

The product "Jaguar Blox" is not hazardous according to the applicable transport regulations. The Active Ingredient Brodifacoum is regulated by UN 3027 - Coumarin derivative pesticides, solid, toxic .

**14.2 UN proper shipping name**

Rodenticide wax blocks containing Brodifacoum (UN 3027) Coumarin derivative pesticides, solid, toxic.

**14.3 Transport hazard class(es)**

Not regulated.

**14.4 Packing group**

Not regulated.

**14.5 Environmental hazards**

"Fish and Tree"

**14.6 Special precautions for user**

Not regulated.

**14.7 Bulk shipping according to IMO instruments**

Not regulated.

**section 15 Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This SDS has been established in accordance with GHS regulation.

**15.2 Chemical Safety Assessment**

Not available.

**Additional information**

Not available.

**section 16 Other information****16.1 Indication of changes**

Not applicable (first edition of the MSDS).

**16.2 Abbreviations and acronyms**

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

GHS: Globally Harmonised System of Classification and Labeling of Chemicals.

**16.3 Key literature references and sources for data**

No data available.

**16.4 The classification of the mixture is in accordance with the evaluation method described in HazCom 2012**

The classification of the mixture is in accordance with the evaluation method described in the GHS.

**16.5 The classification of the mixture is in accordance with the evaluation method described in the GHS**

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs (blood) through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

**16.6 Training advice**

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

**16.7 Additional information**

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The information given in this Safety Data Sheet is based on our present knowledge and on GHS guidelines revision 9 and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.