

Safety Data Sheet

section

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

1.1 Product identifier

Trade name/designation : Jaguar Pellets. (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

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

Manufacturer : **Name:** Bell Laboratories, Inc.
Street: 3699 Kinsman Blvd,
Postal code/City: Madison, WI, 53704
Country: USA
Email: 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 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.
------	------------------

Precautionary Statements – Disposal

P501	Dispose of contents/container to local and national regulations. Never reuse container.
------	---

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
4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin (Brodifacoum)			
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
Inert and Non-Hazardous Ingredients	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.

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

Foam.

Extinguishing powder.

Carbon dioxide (CO₂).

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 granular pellets
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	: 1.33 g/mL @ 20°C
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 Pellets" 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 Pellets" 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 Pellets" 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 Pellets" 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 bait pellets 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

Creation date: 11/07/2023

Version date: 11/07/2023

Printing date: 11/07/2023

Revision date: 11/07/2026

This Safety Data Sheet has been prepared by Adler Technik (Pty) Ltd. This document is protected by Copyright. Any alterations or reproduction requires the expressed permission of Adler Technik: info@adlertechnik.co.za

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.