

		JAGUAR[®] BLOX		
SAFETY DATA SHEET	ACCORDING TO REGULATION: (EU) 2015/830	DATE OF ISSUE: July 2019	REVISION DATE: March 2022	PREPARED BY: CAR
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION				
Product Identifier: JAGUAR[®] BLOX Relevant identified uses: Anticoagulant Rodenticide - Ready to use Uses advised against: Use only for the purpose described above		EMERGENCY PHONE NUMBERS: Medical or Vet Emergency: 877-854-2494 (United States/Canada) +27 (012) 668-3021 (MC Pharma) +27 83 272 3302 (PES) +27 83 295 1313 (PES)		
MANUFACTURER/SUPPLIER: Bell Laboratories, Inc. 3699 Kinsman Blvd. Madison, WI 53704 USA email: registration@belllabs.com	IMPORTER: Pathogen & Environmental Solutions Unit 37, Silver Park, Silver Street Brackenfell Industria, 7561 South Africa Tel: +27 21 982 8689/ www.pesafrica.net	REGISTRANT: MC Pharma (Pty) Ltd P.O. BOX 336 Wierda Park, 0149 Pretoria, SOUTH AFRICA		
SECTION 2. HAZARDS IDENTIFICATION				
Primary Routes of Entry: Ingestion See Section 15 for information on applicable safety, health, and environmental classifications				
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS				
Component	CAS No.	% By weight	EC Number	
Brodifacoum [3-[3-(4'-Bromo-[1,1'-biphenyl]-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one]	56073-10-0	0.005%	259-980-5	
Inert and Non-Hazardous Ingredients (Unlisted components are non-hazardous)	Proprietary	99.995%	Not applicable	
SECTION 4. FIRST AID MEASURES				
Description of first aid measures Ingestion: Call physician or emergency number immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless instructed by physician. Inhalation: Not applicable. Eye contact: Hold eye open and rinse slowly with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation develops, obtain medical assistance. Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. If irritation develops, obtain medical assistance. Most important symptoms and effects, both acute and delayed Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding. Advice to physician: If ingested, administer Vitamin K ₁ intramuscularly or orally as indicated for bishydroxycoumarin overdoses. Repeat as necessary as based upon monitoring of prothrombin times. Advice to Veterinarian: For animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K ₁ . If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.				
SECTION 5. FIRE-FIGHTING MEASURES				

Extinguishing media

Suitable Extinguishing Media: water, foam or inert gas.

Unsuitable Extinguishing Media: None known.

Special hazards arising from the mixture: High temperature decomposition or burning in air can result in the formation of toxic gases, which may include carbon monoxide and traces of bromine and hydrogen bromide.

Advice for firefighters: Wear protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Gloves should be worn when handling the bait. Collect spillage without creating dust.

Environmental precautions: Do not allow bait to enter drains or water courses. Where there is contamination of streams, rivers or lakes contact the appropriate environment agency.

Methods and materials for containment and cleaning up

For Containment: Sweep up spilled material immediately. Place in properly labeled container for disposal or re-use.

For Cleaning Up: Wash contaminated surfaces with detergent. Dispose of all wastes in accordance with all local, regional and national regulations.

Reference to other sections: Refer to Sections 7, 8 & 13 for further details of personal precautions, personal protective equipment and disposal considerations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Do not handle the product near food, animal foodstuffs or drinking water. Keep out of reach of children. Do not use near heat sources, open flame, or hot surfaces. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Conditions for safe storage, including any incompatibilities: Store only in original container in a cool, dry place, inaccessible to pets and wildlife. Do not contaminate water, food or feed by storage or disposal. Keep containers closed and away from other chemicals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Established Limits

Appropriate Engineering Controls: Not required

Occupational exposure limits: Not established

Personal Protective Equipment:

Respiratory protection: Not required

Eye protection: Not required

Skin protection: Shoes plus socks, and waterproof gloves.

Hygiene recommendations: Wash thoroughly with soap and water after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance/Color:	Red wax block
Odor:	Sweet grain-like
Odor Threshold:	No Data
pH:	No Data
Melting point:	No Data
Boiling point:	No Data
Flash point:	No Data
Evaporation rate:	No Data
Flammability:	No Data
Upper/lower flammability or explosive limits:	No Data
Vapor Pressure:	No Data
Vapor Density:	No Data
Relative Density:	1.13 g/mL @ 20°C
Solubility (water):	Negligible
Solubility (solvents):	No Data
Partition coefficient: n-octanol/water:	No Data
Auto-ignition temperature:	No Data
Decomposition temperature:	No Data
Viscosity:	No Data

SECTION 10. STABILITY AND REACTIVITY

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

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

Possibility of hazardous reactions: Refer to Hazardous decomposition products

Conditions to avoid: Avoid extreme temperatures (below 0°C or above 40°C).

Incompatible materials: Avoid strongly alkaline materials.

Hazardous decomposition products: High temperature decomposition or burning in air can result in the formation of toxic gases, which may include carbon monoxide and traces of bromine and hydrogen bromide.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

LD50, oral (ingestion): >5001 mg/kg (rats) (Brodifacoum rat LD50 oral: 0.490 mg/kg bw).

LD50, dermal (skin contact): > 5001 mg/kg (rats) (Brodifacoum rabbit LD50 dermal: 4.185 mg/kg bw).

LC50, inhalation: Product is a wax block and therefore exposure by inhalation is not relevant.

Skin corrosion/irritation: Not irritating to skin.

Serious eye damage/Irritation: Not irritating to eyes.

Respiratory or skin sensitization: Dermal sensitization: Not a Sensitizer (Guinea pig maximization test).

Germ cell mutagenicity: Contains no components known to have a mutagenetic effect.

Carcinogenicity: Contains no components known to have a carcinogenetic effect.

Reproductive Toxicity: No data

Aspiration Hazard: Not applicable. Product is a wax block.

Target Organ Effects: Reduced blood clotting ability.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Effects: This product is extremely toxic to fish, birds and other wildlife. Dogs and predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Persistence and degradability: Product is inherently biodegradable.

Bioaccumulative potential: Not determined. Brodifacoum water solubility is extremely low (< 0.1mg/l).

Mobility in Soil: Not determined. Mobility of brodifacoum in soil is considered to be limited.

Other adverse effects: None.

SECTION 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

Pesticide Disposal: Wastes resulting from the use of this product according to the label instructions must be disposed of as specified on the product label.

Container Handling: Non-refillable container. Do not reuse or refill this container. [Plastic:] Offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration. In most states, burning is not allowed. [Paper:] Dispose of empty container by placing in trash, at an approved waste disposal facility or by incineration. In most states, burning is not allowed.

SECTION 14. TRANSPORT INFORMATION

UN number: Not regulated

UN proper shipping name: Not regulated

Transport hazard class(es): Not regulated

Packing group : Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

Special precautions for user: None

ADR/RID (Road/Rail): Not considered hazardous by ADR/RID Regulations for transportation via road/rail.

IMDG (Maritime): Not considered hazardous by IMO Regulations for transportation via vessel.

IATA (Air): Not considered hazardous by IATA Regulations for transportation via air.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Signal Word: CAUTION

Precautionary Statements: Contains the anticoagulant Brodifacoum which may cause bleeding if ingested. Harmful if swallowed or absorbed through the skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing.

Potential Health Effects:

Eye Contact: May cause irritation

Skin Contact: Non-irritating to the skin

Ingestion: Harmful if swallowed

SECTION 16. OTHER INFORMATION

For additional information, please contact the manufacturer noted in Section 1.

Disclaimer: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Bell Laboratories, Inc. provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all current data, including the approved product label, relevant to their particular use.