TOMCAT 2 RODENTICIDE

SAFETY DATA SHEET	ACCORDING TO REGULATION **EC:** Regulation EU 2020/878	VERSION: 2023.1	DATE OF ISSUE: May 2023	PREPARED BY: CAR

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

1.1. Product Identifier: Tomcat 2 Rodenticide
Country of Authorization: United Kingdom
Authorization Number: UK-2015-0919-0001
UFI: T52A-309C-H00H-VDRN

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
USE: Anticoagulant Rodenticide – Ready to use (RB)
FORM: Granulated pellet
1.2.2 Uses advised against
Use only for the purpose detailed in Section 1.2.1

1.3. Details of the supplier of the safety data sheet

MANUFACTURER/SUPPLIER:
Bell Laboratories, Inc.
3699 Kinsman Blvd. Madison, WI 53704, USA
t: +1 608 241 0202
e: registration@belllabs.com

AUTHORISATION HOLDER:
Bell Laboratories UK Ltd
The Balance, 7th floor,
Pinfold Street,
Sheffield, S1 2GU, UK
e: emea@belllabs.com

1.4 Emergency telephone number: UK medical professionals should contact the National Poisons Information Service (www.npis.org) for further advice.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Hazard Categories: Repr. 1B, STOT RE 1 (blood)
H Phrases: H360D, H372

2.2 Label Elements

Labelling according to Regulation (EC) 1272/2008
Hazard Pictogram:

Signal Word: **Danger**

Hazard Statement(s) (CLP):
H360D: May damage the unborn child
H372: Causes damage to organs (blood) through prolonged or repeated exposure.

Precautionary Statements:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

2.3. Other Hazards

This substance/mixture contains no components considered to be persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or more.

SECTION 3. Composition/information on ingredients

3.1 Substances: No substances fulfill the criteria set forth in Annex II Section A of the REACH regulation (EC) 2015/830.

3.2. Mixtures: Description of the mixture: Formulated dry rodenticide bait containing Bromadiolone.

Chemical name* (IUPAC)	% By weight*	CAS No.	EC No.	Classification according to Regulation EC 1278/2008 (CLP)	REACH Reg. No.
Bromadiolone [3-[3-(4'-Bromo-[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one]	0.005 %	28772-56-7	249-205-9	Acute Tox. 1 (oral) H300 Acute Tox. 1 (dermal) H310 Acute Tox 1 (Inhalation) H330 STOT RE 1 (blood) H372 Aquatic Acute H400 Aquatic chronic 1 H410 Reproductive 1B H360D	N/A – Biocidal active substance

*Unlisted components not listed are non-hazardous

SECTION 4. First aid measures

4.1. Description of first aid measures
General Advice: Please refer to the instructions below for each specific way of exposure.
Ingestion: Rinse mouth carefully with water. Do not give anything by mouth or induce vomiting unless instructed by physician.
Inhalation: Not applicable**.**
Eye contact: Flush with cool water for at least 15 minutes. If irritation develops, obtain medical assistance.
Skin contact: Wash with soap and water. If irritation develops, obtain medical assistance.

4.2. 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.

4.3. Indication of any immediate medical attention and special treatment needed
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.
Antidote: Phytomenadione, Vitamin K_1 is antidotal

SECTION 5. Firefighting measures

5.1. Extinguishing media
Suitable Extinguishing Media: water, foam or inert gas.
Unsuitable Extinguishing Media: None known.

5.2. 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.

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

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1 For non-emergency personnel: Protective equipment should be worn when handling the bait. Collect spillage without creating dust.
6.1.2 For emergency responders: Protective equipment should be worn when handling the bait. Collect spillage without creating dust.

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

6.3. Methods and materials for containment and cleaning up
6.3.1 For Containment: Sweep up spilled material immediately. Place in properly labeled container for disposal.
6.3.2 For Cleaning Up: Wash contaminated surfaces with detergent. Dispose of all wastes in accordance with all local, regional and national regulations.
6.3.3 Other Information: Not applicable

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

SECTION 7. Handling and storage

7.1. Precautions for safe handling
7.1.1 Protective Measures: Keep product in the original container. 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.
7.1.2 Advice on general occupational hygiene: Do not eat, drink or smoke whilst handling. Wash thoroughly with soap and water after handling.

7.2. Conditions for safe storage, including any incompatibilities
Store only in original container in a cool, dry place, inaccessible to pets and wildlife. KEEP OUT OF REACH OF CHILDREN. Keep container tightly closed when not in use.

7.3. Specific end uses(s): Rodenticide - ready to use

SECTION 8. Exposure controls/personal protection

8.1. Control Parameters
Occupational exposure limits: Not established
8.2. Exposure Controls
8.2.1 Appropriate engineering controls: Not required
8.2.2 Personal Protection
Respiratory protection: Not required
Eye protection: Not required
Skin protection: Wear rubber gloves (for example, EN 374 or disposable latex gloves)
Hygiene recommendations: Wash thoroughly with soap and water after handling.
8.2.3 Environmental exposure controls: Prevent the substance from entering drains and water-courses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties of the product

Appearance	Solid granulated pellets
Color:	Blue
Odour:	Sweet grain-like
Odour Threshold:	No data
pH:	No data
Melting point:	No data (melting point for Bromadiolone is 192.6 – 193.9°C)
Boiling point:	No data
Flash point:	No data
Evaporation rate:	No data
Upper/lower flammability or explosive limits:	No data
Vapour Pressure:	No data
Total VOC (g/l):	No data
Relative Density:	0.768 g/mL @ 20°C
Solubility (water):	No data
Partition coefficient: n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Explosive properties:	No data
Oxidising properties:	No data
Particle Characteristics:	No data

9.2. Other Information: None known

SECTION 10. Stability and reactivity

10.1. Reactivity: Stable when stored in original container in a cool, dry location. There are no particular risks of reaction with other substances in normal conditions of use.

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

10.3. Possibility of hazardous reactions: Please refer to 10.6 (Hazardous decomposition products).

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: 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

11.1. Information on hazard classes, of the product, as defined in Regulation (EC) No 1272/2008
11.1.1 Substances : Not applicable
11.1.2 Mixtures – Not applicable
11.1.2.1 (a) Acute Toxicity
LD50, oral (ingestion): >5000 mg/kg (rats) (Bromadiolone Rat LD50 oral: 1.31mg/kg bw).
LD50, dermal (skin contact): > 5001 mg/kg (rats) (Bromadiolone Rat LD50 dermal: 1.71 mg/kg bw (female rats).
LC50, inhalation: Not applicable

11.1.2.1 (b) Skin corrosion/irritation : Not irritating to skin.
11.1.2.1 (c) Serious eye damage/Irritation: Not irritating to eyes.
11.1.2.1 (d) Respiratory or skin sensitization: Dermal sensitization: Not a Sensitizer (Buehler test method).
11.1.2.1 (e) Germ cell mutagenicity: Not considered to have a mutagenetic effect.
11.1.2.1 (f) Carcinogenicity: Contains no components known to have a carcinogenetic effect.
11.1.2.1 (g) Reproductive Toxicity: No data available.
11.1.2.1 (h) STOT-Single Exposure: No data available.
11.1.2.1 (i) STOT Repeated Exposure: Specific Target organ toxicity – Repeated exposure, Category 2
11.1.2.1 (j) Aspiration Hazard: Not relevant.
11.2.1 Endocrine disruptors: This substance/mixture contains no components considered to be endocrine disruptors.

SECTION 12. Ecological information

General Information: The environmental risk assessment shows that bromadiolone does not cause unacceptable risk in the aquatic environment, terrestrial environment or in the atmosphere. Bromadiolone is neither expected to accumulate in sediment nor contaminate groundwater. Predatory and scavenging mammals and birds might be poisoned if they have eaten the bait. Use a bait station to minimize these risks. Please note, the data below reflects the active ingredient bromadiolone. This product is formulated @0.005% or 50ppm bromadiolone. When compared to the data relevant to the active ingredient, ecological effects should be significantly lower for this product.

12.1. Toxicity for bromadiolone
For Bromadiolone:
Fish: 96h LC50 ((*Oncorhynchus mykiss*)) = 4.33 mg/l
Invertebrates: 48h EC50 (*Daphnia magna*) 0.222 mg/l
Algae: 72h EbC50 *Selenastrum capricornutum* = >ErC50 = 7.31 mg/l
Microorganisms (activated sludge): EC50 >100 mg/L (based on water solubility at pH 7 and T = 20°C)
12.2. Persistence and degradability: For Bromadiolone: Not readily biodegradable under normal conditions. However, photolysis of Bromadiolone is rapid with a half-life 0.5 hours or less (pH7 and 9, 25°C). In addition Bromadiolone is not volatile and therefore would not be expected to be present in the air in significant quantities.
12.3. Bioaccumulative potential: For Bromadiolone: Log Pow is >3, which indicates a potential to bioaccumulate
BCF: For Bromadiolone, estimated for freshwater fish = 1750 (QSAR by Vieth et al (1979))
12.4. Mobility in Soil: KOC: 1223 to 36011 mL/g (advanced adsorption test). Mobility of Bromadiolone in soil is considered to be limited..
12.5. Results of PBT and vPvB assessment: Other than the active ingredient, this mixture does not contain any substances that are assessed to be PBT or vPvB.
12.6. Endocrine disrupting properties: None identified
12.7. Other adverse effects: None

SECTION 13. Disposal considerations

13.1. Waste Treatment Methods
13.1.1 Product/packaging disposal: Wastes resulting from use may be disposed of on-site or at an approved waste disposal facility. Dispose of all wastes in accordance with all local, regional and national regulations under EWC 20 01 19.
13.1.2 Waste treatment-relevant information: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
13.1.3 Sewage disposal-relevant information: Not applicable
13.1.4 Other disposal recommendations: None

SECTION 14. Transport information

14.1. UN number: Not applicable

14.2. UN proper shipping name: ADR/RID (Road/Rail)**:** Not applicable

14.3. Transport hazard class(es): Not applicable

14.4. Packing group: Not applicable

14.5. Environmental hazards
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.

14.6. Special precautions for user: Not applicable

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture: Regulated under Regulation (EU) 528/2012

Substances in Candidate list (Art 59 REACH) : None
Substances subject to authorization (Annex XIV REACH): None
Restrictions (Annex XVII REACH): None
15.2. Chemical safety assessment: Exempt, TOMCAT 2 RODENTICDE is regulated under Regulation (EU) 528/2012

SECTION 16. OTHER INFORMATION

CLASSIFICATION AND PROCEDURES USED IN PREPARATION OF THIS SDS: Regulation (EU) 2020/878, Regulation 528/2012,

16.1. Abbreviations and acronyms: Not applicable

16.2. Key literature references and sources of data: Assessment Report (Inclusion of active substances in Annex I to Directive 98/8/EC, 17 September 2009, revised 16 December 2010. EU Regulation 2020/878 and 528/2012.

16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008: Not classified on the basis of available test data.

16.5. Further Information: This Safety Data Sheet has been compiled in accordance with Regulation EU 2020/878. For additional information, please contact the manufacturer noted in Section 1. 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 relevant to their particular use.

H-phrases in section 3 of the safety data sheet:
H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.
H360D: May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.