SOLO BLOX

SAFETY DATA SHEET	ACCORDING TO REGULATION EC: Regulation (EU) 2015/830	DATE OF ISSUE: January 2018	PREPARED BY: CAR

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

1.1. Product Identifier:

SOLO BLOX

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: Wax block bait (BB)

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

AUTHORISATION HOLDER:
Bell Laboratories, Inc.
Chaucer House, Chaucer Rd.
Sudbury, Suffolk
CO10 1LN, UK
e: emea@belllabs.com

1.4. Emergency telephone number: +1-952-852-4636 –Available 24h

English language phone service or Local or Regional Poison Control Centre.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: H360D, H373

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

Precautionary Statements:
P102: Keep out of reach of children.
P103: Real label before using
P314: Get medical attention if you feel unwell.
P501: Dispose of contents/container in accordance with national regulations

2.3. Other Hazards

None

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) No 1907/2006

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

Chemical name* (IUPAC)	% By weight*	CAS No.	EC No.	Classification**	
Brodifacoum: 3-(3-(4'-bromobiphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin	0.005 %	56073-10-0	259-980-5	**Regulation 1272/2008**	Acute Tox. 2 (oral) H300 Acute Tox. 1 (dermal) H310 Acute Tox 1 (Inhalation) H330 STOT RE 1 H372 Aquatic chronic 1 H410

*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

Appearance/Colour:	Red solid wax blocks
Odour:	Sweet grain-like
Odour Threshold:	No data
pH:	Not applicable, not dispersible with water
Melting point:	No data (melting point for Brodifacoum is 232°C)
Boiling point:	No data
Flash point:	Not applicable
Evaporation rate:	Not applicable, is a solid
Upper/lower flammability or explosive limits:	No data
Vapour Pressure:	Not applicable
Relative Density:	1.12 g/mL @ 20°C
Solubility (water):	Not water soluble
Partition coefficient: n-octanol/water:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

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 toxicological effects
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) (Brodifacoum Rat LD50 oral: <5mg/kg bw).
LD50, dermal (skin contact): > 5001 mg/kg (rats) (Brodifacoum Rat LD50 dermal: 7.48 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.

SECTION 12. Ecological information

General Information: The environmental risk assessment shows that Brodifacoum does not cause unacceptable risk in the aquatic environment, terrestrial environment or in the atmosphere. Brodifacoum 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 Brodifacoum. This product is formulated @0.005% or 50ppm Brodifacoum. When compared to the data relevant to the active ingredient, ecological effects should be significantly lower for this product.

12.1. Toxicity
For Brodifacoum:
Fish: 96h LC50 ((*Oncorhynchus mykiss*)) = 0.042 mg/l
Invertebrates: 48h EC50 (*Daphnia magna*) 0.25 mg/l
Algae: 72h EbC50 *Selenastrum capricornutum* = >ErC50 = 0.04 mg/l
Microorganisms (activated sludge): >0.058 mg/l (based on water solubility at pH 7 and T = 20°C)
12.2. Persistence and degradability: For Brodifacoum: As no data on degradation in marine water, freshwater or sediment are available, Brodifacoum is considered to be potentially persistent. Brodifacoum is not readily or inherently biodegradable.
12.3. Bioaccumulative potential: The low water solubility (< 0.1 mg/l) and the high absorption characteristics of *Brodifacoum* (log Pow > 4.0, Log Koc = 8.50) combined with the potential for the active substance to ionise, indicate that the active substance has a negligible potential for leaching out of this product. It is therefore considered that the potential for percutaneous absorption from the finished biocidal product is minimal.
12.4. Mobility in Soil: Brodifacoum is immobile in soil (Koc > 9155 l/kg). Mobility of Brodifacoum in soil is considered to be minimal.
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. 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.
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, SOLO BLOX is regulated under Regulation (EU) 528/2012

SECTION 16. OTHER INFORMATION

CLASSIFICATION AND PROCEDURES USED IN PREPARATION OF THIS SDS: Regulation (EU) 2015/830, 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 2015/830 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) 2015/830, (EC) No 1907/2006 (as amended by Regulation (EU) No 453/2010), and Regulation (EC) 1272/2008. 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.