



# CONTRAC<sup>®</sup> ALL-WEATHER SUPER SIZE BLOX

## SAFETY DATA SHEET

**ACCORDING TO REGULATION:** Hazardous Substances and New Organisms Act 1996 and the Hazardous Substances (Classification) Notice 2017

**DATE OF ISSUE:**  
November 2018

**PREPARED BY:**  
CAR

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** CONTRAC<sup>®</sup> ALL-WEATHER SUPER SIZE BLOX

**New Zealand Registration Number:** V005059

**Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses:** Anticoagulant Rodenticide - Ready to use

**Uses advised against:** Use only for the purpose described above

### MANUFACTURER:

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### IMPORTER:

Key Industries Limited  
15D Paul Matthews Rd  
Rosedale, Auckland 0632, NZ  
(0800) 539 463

### EMERGENCY PHONE NUMBERS:

Poisonings: (0800) 764 766

## SECTION 2. HAZARDS IDENTIFICATION

**THIS PRODUCT IS CLASSIFIED AS:** NOT HAZARDOUS OR DANGEROUS ACCORDING TO NEW ZEALAND DANGEROUS GOODS CODES, AUSTRALIAN DANGEROUS GOODS (ADG) CODE, CRITERIA OF SWA, IATA OR IMDG/IMSBC.

**ADG Classification:** None allocated. Not a Dangerous Good according to New Zealand Ministry of Transport, IATA or IMDG/IMSBC criteria.

**UN Number:** None allocated



**GHS Signal word:** WARNING

### HAZARD STATEMENT:

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

### PREVENTION

P102: Keep out of reach of children.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash contacted areas thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

### RESPONSE

P314: Get medical advice or attention if you feel unwell.

P353: Rinse skin or shower with water.

P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P391: Collect spillage.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

### STORAGE

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

### DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component  | CAS No.     | % By weight |
|--|-------------|-------------|
| <b>Bromadiolone</b> [3-[3-(4'-Bromo-[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one] | 28772-56-7  | 0.005%      |
| <b>Inert and Non-Hazardous Ingredients</b><br>(Unlisted components are non-hazardous)                                | Proprietary | 99.995%     |

## SECTION 4. FIRST AID MEASURES

### Description of first aid measures

**Ingestion:** Call physician or emergency number immediately. The number poison information number is **0800 764 766** from anywhere in New Zealand or **13 1126** from anywhere in Australia and is available at all times. Have this SDS with you when you call. 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<sub>1</sub> 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<sub>1</sub>. 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:** This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Established Limits

| Component    | OSHA            | ACGIH           | Other Limits    |
|--------------|-----------------|-----------------|-----------------|
| Bromadiolone | Not Established | Not Established | Not Established |

The following Australian/New Zealand Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber.

**Respirator:** If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable dust mask.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance/Color:</b>                             | Blue wax block   |
| <b>Odor:</b>   | Sweet grain-like   |
| <b>Odor Threshold:</b>                               | Not applicable, odor not associated with a hazardous material. |
| <b>pH:</b>   | Not applicable, is not dispersible with water.                 |
| <b>Melting point:</b>                                | No data  |
| <b>Boiling point:</b>                                | Not applicable to rodenticide bait                             |
| <b>Flash point:</b>                                  | No data  |
| <b>Evaporation rate:</b>                             | Not applicable, is a solid.                                    |
| <b>Flammability:</b>                                 | No data  |
| <b>Upper/lower flammability or explosive limits:</b> | No data  |
| <b>Vapor Pressure:</b>                               | No data  |
| <b>Vapor Density:</b>                                | No data  |
| <b>Relative Density:</b>                             | 1.13 g/mL @ 20°C   |
| <b>Solubility (water):</b>                           | Not water soluble  |
| <b>Solubility (solvents):</b>                        | No data  |
| <b>Partition coefficient: n-octanol/water:</b>       | No data  |
| <b>Auto-ignition temperature:</b>                    | No data  |
| <b>Decomposition temperature:</b>                    | No data  |
| <b>Viscosity:</b>                                    | Not applicable, is not a liquid.                               |

## 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):** >5000 mg/kg (rats) (Bromadiolone Rat LD50 oral: 0.70 mg/kg bw).

**LD50, dermal (skin contact):** > 5001 mg/kg (rats) (Bromadiolone rabbit LD50 dermal: 1.71 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.

| Components   | NTP        | IARC       | OSHA       |
|--------------|------------|------------|------------|
| Bromadiolone | Not listed | Not listed | Not listed |

**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:** Bromadiolone is classified as very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten bait. Use a bait station to minimize these risks.

**Persistence and degradability:** Product is inherently biodegradable.

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

**Mobility in Soil:** Not determined. Mobility of bromadiolone 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.

**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

## SECTION 14. TRANSPORT INFORMATION

**UN Number:** This product is not classified as a Dangerous Good by New Zealand Ministry of Transport, ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## SECTION 15. REGULATORY INFORMATION

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

EPA approval number: HSR001603

## SECTION 16. OTHER INFORMATION

**This SDS contains only safety-related information. For other data see product literature.**

### Acronyms:

**ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

**AICS:** Australian Inventory of Chemical Substances

**SWA:** Safe Work Australia, formerly ASCC and NOHSC

**CAS number:** Chemical Abstracts Service Registry Number

**Hazchem Code:** Emergency action code of numbers and letters that provide information to emergency services especially firefighters

**IARC:** International Agency for Research on Cancer

**IATA:** International Air Transport Association

**IMDG/IMSBC:** International Maritime Dangerous Goods/ International Maritime Solid Bulk Cargoes

**OSHA:** Occupational Health and Safety Administration (USA)

**NFPA:** National Fire Protection Agency (USA)

**HMIS:** Hazardous Materials Identification System (USA)

**NOS:** Not otherwise specified

**NTP:** National Toxicology Program (USA)

**NZS:** New Zealand Standards

**R-Phrase:** Risk Phrase

**SUSMP:** Standard for the Uniform Scheduling of Medicines & Poisons

**UN Number:** United Nations Number

|             |                      |                          |                         |                         |
|-------------|----------------------|--------------------------|-------------------------|-------------------------|
| <b>NFPA</b> | Health: 1 (caution)  | Flammability: 1 (slight) | Reactivity: 0 (stable)  | Specific Hazard: None   |
| <b>HMIS</b> | Health: 2 (moderate) | Flammability: 1 (slight) | Reactivity: 0 (minimal) | Protective Equipment: B |

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