**SECTION 1: Identification**

1.1. Identification

- Product form: Mixture
- Trade name: DeciMax® Blocks
- Synonyms: 116850, 116855

1.2. Recommended use and restrictions on use

- Recommended use: Rodenticide.
- Restrictions on use: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid breathing dust.

1.3. Supplier

- Neogen Corporation
- 620 Lesher Place
- Lansing, MI 48912
- USA
- www.neogen.com

1.4. Emergency telephone number

- Emergency number: 1-800-498-5743

**SECTION 2: Hazard(s) identification**

2.1. Classification of the substance or mixture

- GHS-US classification: Combustible Dust
- May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

- GHS-US labeling:
  - Signal word (GHS-US): Warning
  - Hazard statements (GHS-US): May form combustible dust concentrations in air

2.3. Other hazards which do not result in classification

- Other hazards not contributing to the classification: This product is extremely toxic to mammals and birds. This pesticide is toxic to fish. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

2.4. Unknown acute toxicity (GHS US)

- Not applicable

**SECTION 3: Composition/Information on ingredients**

3.1. Substances

- Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromadiolone</td>
<td>(CAS-No.) 28772-56-7</td>
<td>0.005</td>
</tr>
<tr>
<td>Wheat flour, corn meal, rolled oats</td>
<td>(CAS-No.) N/A</td>
<td>60 - 70</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>(CAS-No.) N/A</td>
<td>Balance</td>
</tr>
</tbody>
</table>

**SECTION 4: First-aid measures**

4.1. Description of first aid measures

- First-aid measures after inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)
No additional information available

4.3. Immediate medical attention and special treatment, if necessary
If swallowed, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer Vitamin K1 intramuscularly or orally. Repeat as necessary based on monitoring of prothrombin times.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media
Unsuitable extinguishing media: Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical
Fire hazard: May ignite spontaneously if exposed to air.
Explosion hazard: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Reactivity: This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

5.3. Special protective equipment and precautions for fire-fighters
Firefighting instructions: Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Ventilate closed spaces before entering. Eliminate ignition sources. Move containers away from the fire area if this can be done without risk.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Protective equipment: Avoid contact with skin, eyes and clothing. Avoid dust formation and breathing dust. Keep all ignition sources away. Wear suitable protective equipment.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
Emergency procedures: Contain spill and monitor for excessive dust accumulation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Evacuate area.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Non-sparking tools should be used.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool. Store in a closed container. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.


SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection: Protective gloves

Eye protection: Safety glasses

Skin and body protection:
Wear long-sleeved shirt and long pants, and shoes plus socks.

Respiratory protection:
In case of insufficient ventilation, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: Yellow chunk with brown and white particles
Color: Yellow with brown and white
Odor: Mild, Negligible
Odor threshold: No data available
pH: 6.39 (1% aq. sol'n)
Melting point: No data available
Freezing point: Not applicable
Boiling point: No data available
Flash point: Not applicable
Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): Not flammable
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: 0.62 @ 20°C
Solubility: Insoluble
Log Pow: No data available
Auto-ignition temperature: Not applicable
Decomposition temperature: No data available
DeciMax® Blocks
Safety Data Sheet

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use. May form combustible dust concentrations in the air.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>DeciMax® Blocks</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5050</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5050</td>
</tr>
<tr>
<td>pH</td>
<td>6.39 (1% aq. sol'n)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GHS-US Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cells mutagen</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicant</td>
<td>Not classified</td>
</tr>
<tr>
<td>(single exposure)</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicant</td>
<td>Not classified</td>
</tr>
<tr>
<td>(repeated exposure)</td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Potential health effects

Inhalation
Acute : Under normal conditions of use, no health effects are expected.

Skin
Acute : Under normal conditions of use, no health effects are expected.

Eye
Acute : May cause mild irritation.

Ingestion
Acute : Under normal conditions of use, no health effects are expected.

Mutagenicity : Bromadiolone is not a mutagen.
DeciMax® Blocks
Safety Data Sheet

Carcinogenicity: Bromadiolone is not listed as a carcinogen by OSHA, IARC or NTP.
Reproductive Effects: Bromadiolone is not a reproductive or developmental toxicant.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Bromadiolone (28772-56-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Acute fish 1</td>
<td>2.86 (Exposure time: 96hr Oncorhynchus mykiss)</td>
</tr>
<tr>
<td>EC50 Acute crustacea 1</td>
<td>5.79 (Exposure time: 48hr Daphnia)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Bromadiolone (28772-56-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Kow</td>
<td>3.8</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

<table>
<thead>
<tr>
<th>DeciMax® Blocks</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecological Fate</td>
<td>This product is extremely toxic to mammals and birds. This pesticide is toxic to fish.</td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>UN number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IMDG</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IATA</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

15.1. US Federal regulations

FIFRA Labelling

<table>
<thead>
<tr>
<th>EPA Registration Number</th>
<th>270-373</th>
</tr>
</thead>
<tbody>
<tr>
<td>This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.</td>
<td></td>
</tr>
</tbody>
</table>

FIFRA Signal word: Caution

FIFRA Precautionary Statement: KEEP OUT OF REACH OF CHILDREN.

FIFRA Hazards to Humans and Domestic Animals: Harmful if swallowed. Keep away from children, domestic animals and pets. Causes moderate eye irritation. Do not get in eyes or on clothing. All handlers (including applicators) must wear long-sleeved shirt and long pants, shoes plus socks, and gloves. Any person who retrieves carcasses or unused bait following application of this product must wear gloves. User Safety Requirements: Follow manufacturer’s instruction for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco, or using the toilet and change into clean clothing.
### FIFRA First Aid

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIFRA Environmental Hazards</td>
<td>This product is extremely toxic to mammals and birds. Dogs, cats, and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. This pesticide is toxic to fish. 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 may also be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.</td>
</tr>
</tbody>
</table>

#### 15.2. US State regulations

No additional information available

#### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Date of issue</th>
<th>12 May 1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>24 October 2017</td>
</tr>
<tr>
<td>Supersedes</td>
<td>13 May 2011</td>
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SDS US (GHS HazCom 2012) - CGP

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