1. IDENTIFICATION

1.1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
- Product name: JT EATON™ NECTUS™ SOFT BAIT 2G Second Generation Rodenticide™
- EPA Reg. No: 82744-2-56
- Product Code: #716-S

1.2. USE OF THE SUBSTANCE/PREPARATION
- Use: Rodenticides for control of rats and mice
- Uses advised against: Use only for the purposes specified in this safety data sheet or on the label. The product should be used in accordance with the indications on the product label. Rodenticide should not be used outdoors and in places occupied by other animals or people.

1.3. COMPANY/UNDERTAKING IDENTIFICATION
- Supplier: JT Eaton Company
  1393 E. Highland Rd.
  Twinsburg, OH 44087
  Tel: 1-330-425-7801
  Fax: 1-330-425-8353
  www.jteaton.com

1.4. EMERGENCY TELEPHONE
POISON CONTROL CENTER: 1-800-222-1222 (human)
HOT LINE NUMBER: 1-800-345-4735 (human and pet) 8:30 am to 5:00 pm EST
N.P.I.C. 1-800-858-7378 8:30 am to 5:00 pm EST

2. HAZARDS IDENTIFICATION

2.1. Classification of substance/preparation:
  Acute Oral Toxicity Category 3  
  Acute Dermal Toxicity Category 3  
  Primary Eye Irritation Category 3

2.2. Label elements:
CAUTION: Harmful if swallowed or absorbed through the skin. Keep away from the children, domestic animals and pets. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. All handlers (including applicators) must wear shoes plus socks, and chemical resistant gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS</th>
<th>%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromadiolone</td>
<td>28772-56-7</td>
<td>0.005</td>
<td></td>
</tr>
<tr>
<td>Denatonium benzoate</td>
<td>3734-33-6</td>
<td>0.001</td>
<td></td>
</tr>
</tbody>
</table>
4. FIRST-AID MEASURES

4.1. First-aid measures:

General measures
Remove affected person from the contaminated area to fresh air or well-ventilated area, providing her basic life functions and protect it from the cold or heat. Never give anything by mouth to an unconscious person.

Skin contact:
Take off all contaminated clothing. Wash thoroughly with plenty of water and soap! If feeling unwell seek medical help.

Eye contact:
Immediately flush eyes with plenty of water while keeping eyelids open (at least 15 minutes). Check for and remove any contact lenses. If irritation persist, seek professional medical attention.

Inhalation:
Remove patient to fresh air-move out of dangerous area. If symptoms persist seek medical attention.

Ingestion:
Do not induce vomiting. Rinse mouth with water. Immediately consult a specialist. Show the physician the Safety Data Sheet or label.

4.2. Symptoms:

Skin contact:
Contact with skin may cause irritation.

Eye contact:
Contact with eyes can cause irritation.

Inhalation:
-

Ingestion:
Bromadiolone is an anticoagulant which may produce bleeding. Symptoms may be delayed for several days after exposure. In case of poisoning bleeding disorders and increased bleeding tendency my occur. In severe poisoning a strong internal bleeding can cause circulatory collapse and consequent death.

4.3. Indication of any immediate medical attention and special treatment needed

Bromadiolone is an anticoagulant which may produce bleeding. This may be delayed for several days after exposure. In case of bleeding or reduced activity of prothrombin is indicated to use antidote vitamin K1 (phytomenadione) at a dose of 10-20 mg (5-10 mg in children) slowly iv or as an infusion. Further treatment: Vitamin K1 (phytomenadione) is administered to 6x daily at a dose of 10 mg iv depending on the clinical picture, in most serious poisonings to 125 mg / day. Vitamin K3 (menadione) is not effective! Because of the risk of hematoma avoid intramuscular injections. In the case of severe bleeding blood transfusions and further substitution of coagulation factors in the form of fresh frozen plasma or prothrombin complex concentrate are also needed.

Section 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: In the event of fire the following is released: poisonous and irritating gases.

5.3. Advice for firefighters
SAFETY DATA SHEET

Product name:
JT EATON™ NECTUS™ SOFT BAIT 2G Second Generation Rodenticide™

Protective actions
In case of fire do not breathe fumes/gases. Cool containers at risk with water spray jet. If possible remove containers from endangered area. Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

Special protective equipment for fire-fighters
Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment
Use personal protective equipment (Section 8). Refer to protective measures listed in sections 7 and 8.

Emergency procedures
Ensure adequate ventilation.

6.2. Environmental precautions
Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up
Take up mechanically and collect in suitable container and dispose according to current regulations.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire
Ensure adequate ventilation.

Measures to prevent aerosol and dust generation
Avoid formation of dust.

Measures to protect the environment
For use only in areas that are inaccessible to infants, children, companion animals and non-target animals.

7.1.2. Advice on general occupational hygiene
Refer to instructions on label and regulations for safety and health at work. Use personal protective equipment. Do not eat, drink or smoke while working. Ensure adequate ventilation. Avoid contact with skin and eyes. Before eating, drinking or smoking leave the work area and wash your hands and any other exposed areas with mild soap and water. After working with the product wash yourself and change clothes.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions
Store in original, tightly closed container in a dry place. Store at room temperature. Keep container in a well ventilated place. Keep away from food, drink and animal feeding stuffs Keep out of the reach of children. Keep away from animals. Protect from direct sunlight.

7.2.2. Requirements for storage rooms and vessels
Keep in properly labeled containers.
7.3. Specific end use(s) Recommendations
The product is intended for use as a rodenticide (biocidal agent). Before using this product read the instructions for use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
8.1.1. Occupational Exposure limit values
No information

8.2. Exposure controls
8.2.1. Appropriate engineering control
Substance/mixture related measures to prevent exposure during identified uses
Use good personal hygiene practices-wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Keep away from direct sun-light or other heat sources and sources of ignition. Prevent dusting.

Organisational measures to prevent exposure
Do not eat, drink or smoke while working.

Technical measures to prevent exposure
Keep away from food, drink and animal feedingstuffs Good ventilation.

8.2.2. Personal protective equipment

Eye and face protection
Protective goggles

Hand protection
Protective gloves.

Skin protection
No requirements under normal use conditions.

Respiratory protection
Not needed under normal use and adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

- Physical state: solid
- Colour: red
- Odour: weak

Important health, safety and environmental information

- pH No information
- Melting point No information
- Boiling point/boiling range No information
**SAFETY DATA SHEET**

**Product name:**
JT EATON™ NECTUS™ SOFT BAIT 2G Second Generation Rodenticide™

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashpoint</td>
<td>No information</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>No information</td>
</tr>
<tr>
<td>Explosion limits (vol%)</td>
<td>No information</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information</td>
</tr>
<tr>
<td>Density</td>
<td>Relative density: 1.25</td>
</tr>
<tr>
<td>Solubility</td>
<td>No information</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (log Kow)</td>
<td>No information</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive. Product is not self-igniting.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No oxidizing properties.</td>
</tr>
</tbody>
</table>

**9.2. Other information**

**Remarks:**

**10. STABILITY AND REACTIVITY**

**10.1. Reactivity**
Stable under recommended transport or storage conditions.

**10.2. Chemical stability**
Product is stable under normal conditions according to handling and storage.

**10.3. Possibility of hazardous reactions**
None under normal processing.

**10.4. Conditions to avoid**
Avoid high temperatures.

**10.5. Incompatible materials**
Strong oxidizing agents.

**10.6. Hazardous decomposition products**
Under normal use conditions no hazardous decomposition products expected. In case of fire/explosion vapours dangerous for health are spread. Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**11.1.1. Acute toxicity**

For product
SAFETY DATA SHEET

Product name:
JT EATON™ NECTUS™ SOFT BAIT 2G Second Generation Rodenticide™

exp. route Type species Time value Method Remark
oral LD$_{50}$ rat > 2000 mg/kg bw
dermal LD$_{50}$ rat > 2000 mg/kg bw

For components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>exp. route</th>
<th>Type</th>
<th>species</th>
<th>Time</th>
<th>value</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromadiolone (28772-56-7)</td>
<td>oral</td>
<td>LD$_{50}$</td>
<td>rat</td>
<td>&gt; 0,56 mg/kg bw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bromadiolone (28772-56-7)</td>
<td>dermal</td>
<td>LD$_{50}$</td>
<td>rat</td>
<td>&gt; 1,71 mg/kg bw</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11.1.2. Skin corrosion/irritation, serious eye damage/irritation, aspiration hazard
No information

11.1.3. Respiratory or skin sensitisation
No information

11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

Carcinogenicity No information

(Germ cell) mutagenicity No information

Reproductive toxicity No information

Summary of evaluation of the CMR properties No information

11.1.5. STOT-single and repeated exposure
No information

12. ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Acute (short-term) toxicity

For components

<table>
<thead>
<tr>
<th>Substance (CAS Nr.)</th>
<th>Type</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Organism</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromadiolone (28772-56-7)</td>
<td>LC$_{50}$</td>
<td>2,86 mg/L</td>
<td>96 h</td>
<td>fish</td>
<td>Oncorhynchus mykiss</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC$_{50}$</td>
<td>2 mg/L</td>
<td>48 h</td>
<td>crustacea</td>
<td>Daphnia magna</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EbC$_{50}$</td>
<td>0,17 mg/L</td>
<td>96 h</td>
<td>algae</td>
<td>Scenedesmus subspicatus</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
12.2.1. Abiotic degradation, physical- and photo-chemical elimination
No information

12.2.2. Biodegradation
No information
12.3. Bioaccumulative potential
12.3.1. Partition coefficient n-octanol/water (log Kow)

For components

<table>
<thead>
<tr>
<th>Substance (CAS Nr.)</th>
<th>Media</th>
<th>value</th>
<th>Temperature</th>
<th>pH</th>
<th>Concentration</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromadiolone (28772-86-7)</td>
<td>Octanol-water (log Pow)</td>
<td>&gt; 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.3.2. Bioconcentration factor (BCF)
No information

12.4. Mobility
12.4.1. Known or predicted distribution to environmental compartments
No information

12.4.2. Surface tension
No information

12.4.3. Adsorption/Desorption
No information

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
13.1.1. Product / Packaging disposal

Waste chemical
Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste. It is not allowed to empty into ground or the aquatic environment.

Packaging
Completely emptied container dispose according to regulations.

14. TRANSPORT INFORMATION

14.1. UN number
- 

14.2. UN proper shipping name
Not dangerous according to ADR.

14.3. Transport hazard class(es)
- 

14.4. Packing group
- 

14.5. Environmental hazards
NO
14.6. Special precautions for user

- 

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

- 

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations specific for the product in question

No information

16. OTHER INFORMATION

Creation date: 9.12.2014
Revision: 4.7.2016
Version: 2

The information of this SDS is based on the present state of our knowledge. The user’s working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.