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**MATERIAL SAFETY DATA SHEET**

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**Section I**

Supplier Information:	Emergency Telephone Number
Name: Earth City Resources, Inc.	Chemtrec 800/424-9300 (after hours)
Address: P. O. BOX 958	
City: Bridgeton	Telephone Number for Information
State: Missouri 63044	Contact: 314/291-6724

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**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components	TWA	CAS #	% (opt.)
May be harmful or fatal if swallowed.			
(Special Chemical Identification; Common Name)			
Brodifacoum	Not Applicable	56073-10-0	0.005

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**Section III - Physical/Chemical Characteristics**

Boiling Point:	Not Applicable
Specific Gravity (H <sub>2</sub> O = 1):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Melting Point:	Not Applicable
Vapor Density (AIR = 1):	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water:	Insoluble
Appearance and Odor:	Green pellets with an odor or grain.

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**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used):	Not Applicable
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Water spray, dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials.
Special Firefighting Procedures:	Not Applicable
Unusual Fire and Explosion Hazards:	Not Applicable

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**Section V - Reactivity Data**

Stability	STABLE
Incompatibility	(Materials to Avoid): None Known
Hazardous Decomposition or Byproducts:	None Known
Hazardous Polymerization	WILL NOT OCCUR
Conditions to Avoid:	None Known

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**Section VI - Health Hazard Data**

Routes of Entry:	Inhalation? NO	Skin? YES	Ingestion? YES
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Health Hazards (Acute and Chronic):

Reduce blood clotting ability with spontaneous bleeding in various body organs.  
Body accumulation is likely to result from repeated exposures to brodifacoum since its half life is estimated to be 120 days. Individuals with blood clotting disorders may be more susceptible to overexposure effects.

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**Section VI - Health Hazard Data (continued)**

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Carcinogenicity:                    NTP? NO    IARC Monographs? NO                    OSHA Regulated? NO

Signs and Symptoms of Exposure:    Hemorrhaging, abdominal pain, vomiting, hematuria

Medical Conditions Generally Aggravated by Exposure:    Blood Clotting Disorders.

**Emergency and First Aid Procedures**

**INGESTED:**

If swallowed immediately call a physician or Poison Control Center. Induce vomiting by drinking 1-2 glasses of water and touching back of throat with a finger. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Refer person to medical personnel.

**SKIN CONTACT:**

Remove contaminated clothing and wash before rewearing. Wash affected area immediately with plenty of soap and water. Rinse with water for 15-20 minutes. If redness, itching or a burning sensation develops consult medical personnel.

**EYE CONTACT:**

Immediately rinse eyes by holding eyes open and rinse eyes slowly and gently with water for a minimum of 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. If redness, itching or a burning sensation develops have eyes examined and treated by medical personnel.

**INHALATION:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably by mouth-to-mouth, if possible. If cough or other respiratory symptoms develop, consult medical personnel.

**NOTE:**

Have the product container or label with you when calling a Poison Control Center or physician, or going for treatment.

**NOTE TO PHYSICIAN:**

The active ingredient in this product, brodifacoum, interferes with factors in the blood necessary for clotting, resulting in longer prothrombin times than normal. The antidote is vitamin K<sub>1</sub> and should be administered daily under medical supervision in divided doses by intramuscular and oral routes as follows:

**Adult Dosage - 40 mg/day; Child Dosage - 20 mg/day; Dog Dosage - 2 to 5 mg/day**

In severe cases, whole blood may need to be given to supplement loss of blood. Vitamin K<sub>1</sub> may need to be administered over a period of 30 days or more. Cessation of vitamin K<sub>1</sub> treatment must be based on a return to normal prothrombin times.

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**Section VII - Precautions for Safe Handling and Use**

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**Steps to be Taken in Case Material is Released or Spilled:**

Sweep up and place in a suitable container for disposal.

**Waste Disposal Method:**

Do not reuse empty container except for holding additional Rat/Mouse-A-Rest II rodenticide.

Wrap empty container in a newspaper and discard in trash.

Waste resulting from the use of this product may be disposed of on site or at an approved waster disposal facility.

Pesticide wastes are acutely hazardous.

Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law.

If waste cannot be disposed of by use according to the label instruction, contact your State Pesticides or Environmental Control Agency, or the Hazardous Waste representative at the nearest Environmental

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Protection Agency (EPA) Regional Office for guidance.

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### Section VII - Precautions for Safe Handling and Use (Continued)

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Waste Disposal Method: (continued)

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

Precautions to be Taken in Handling or Storage:

Store in original container only in a dry place inaccessible to children and pets.

Do not contaminate water, food or feed by storage or disposal.

Other Precautions:

Keep out of the reach of children.

Read and follow directions on product label.

This product is toxic to fish, birds and wildlife. This product can pose a secondary hazard to birds of prey or mammals. Do not contaminate waterways by cleaning of equipment or by disposal of waste. Untreated effluent should not be discharged where it will drain into lakes. Streams or ponds. Discarded product is not a hazardous waste under RCRA 40CFR261.

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### Section VIII - Control Measures

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Respiratory Protection: Not usually necessary under recommended conditions of use.  
If necessary, use NIOSH approved respiratory for pesticides.

Ventilation	Local Exhaust:	As needed to control exposure.
	Special:	As needed to control exposure.
	Mechanical (General):	As needed to control exposure.

Protective Gloves: Wear rubber gloves, when handling.

Eye Protection: Wear safety glasses with side shields or goggles, when handling.

Other Protective Clothing or Equipment: None generally required.

Work/Hygienic Practices: When using do not eat, drink or smoke  
Read and follow direction on product label.  
Wash hands thoroughly after using.

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### Section IX - Additional Information

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All ingredients are listed by Toxic Substances Control Act (TSCA).

SARA 313 INFORMATION: This product does not contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Disclaimer of Expressed and Implied Warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

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