



MATERIAL SAFETY DATA SHEET

Product Id: Ropax Bars

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: 01T60030

Product Name: Ropax Bars

Supplier: Fort Dodge Animal Health
800 5th Street NW
PO Box 518
Fort Dodge, IA 50501

General Information No.: (515) 955-4600
Emergency Telephone No.: (515) 955-6033

Emergency Telephone Number: (800) 424-9300

General Telephone Number: (515) 955-4600

Prepared By: Environmental, Health + Safety

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Weight %	ACGIH TWA:	CAS-No.	Wyeth OEG:	Units for TWAs, STELs, ACGIH, OSHA:
Inerts (nonhazardous) NA	100	NA	NA	NA	mg/m3
4-HYDROXY-3-(3-(4'-BROMO-4-BIPHENYLYL)-1,2,3,4-TETRAHYDRO-1-56073-10-0	0.005	NA	56073-10-0	Not established	mg/m3

3. HAZARDS IDENTIFICATION

Inhalation: None known

Skin Contact: Slightly Irritating.

Ingestion: May be harmful if swallowed. May be fatal if excessive quantities are swallowed.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.

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4. FIRST AID MEASURES

Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.
Skin Contact:	Flush skin with plenty of soap and water for at least 15 minutes. Remove all contaminated clothing and shoes. Get medical attention if symptoms persist.
Inhalation:	No specific treatment, treat symptomatically. If breathing is difficult, give oxygen. If respiratory arrest occurs provide artificial respiration and seek immediate medical assistance.
Ingestion:	Call medical doctor or poison control center immediately if large quantities are ingested. If swallowed, seek medical advice immediately and show this container or label.
Aggravated Conditions:	None known.
Notes to Physician:	Direct treatment at control of symptoms. Vitamin K1 is a specific antidote.

5. FIRE FIGHTING MEASURES

Extinguishing Media and Fire Fighting Instructions:	Follow your company's procedures. Use an extinguishing agent suitable for the surrounding class of fire.
Special Hazards:	When heated to decomposition it emits toxic fumes. Combustible when exposed to heat or flame.
Personal Protective Equipment:	Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods For Cleaning Up:	Follow your company's spill procedures. Keep people out of area. Put on appropriate personal protective equipment (See Section 8). Use a tool to scoop up and put into appropriate labeled waste container. Initiate company's spill response procedures immediately.
Personal Precautions:	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions:	No special environmental precautions required

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions:	No special technical measures required when product is used as directed on label or package insert.
Safe Handling Advice:	Avoid contact with eyes, skin, and clothing. Avoid generating or breathing product aerosol. Wash after handling.

Storage

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Technical Measures/Storage Conditions:

Keep containers in a well ventilated, secure location. Store tightly closed in original container.

Incompatible Products:

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

General ventilation is typically sufficient to keep airborne levels below established values when product is used as directed on label or on package insert. Provide eye wash and quick drench shower close to work station. Clean, appropriately launder, or dispose of all potentially contaminated work clothing, foot wear, and protective equipment after use.

Personal Protective Equipment**Respiratory Protection:**

Respirator selection must be based on anticipated exposure levels, product hazards, and the safe working limits of the selected respirator. A respirator is not needed under normal and intended conditions of product use.

Hand Protection:

Chemical resistant gloves.

Skin and Body Protection:

Lab coat.

Eye Protection:

Safety glasses goggles, face-shield where product aerosol or splash potential exists.

Hygiene Measures:

Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:

Green

Odor:

No information available

pH:

Not available.

Boiling Point/Range:

Not applicable

Melting Point/Range:

Not determined

Density:

1.15 - 1.20 (water=1)

Vapor Density:

not determined

Physical State:

Solid

Vapor Pressure:

not determined

Viscosity

Not applicable

Partition Coefficient:

Not applicable

Solubility:

Insoluble in cold water, hot water.

Solubility in Other Solvents:

None known

Flash Point:

Closed cup: >190 deg. C

Explosion limits**- upper**

no data available

- lower

no data available

Autoignition Temperature:

Not applicable

Decomposition Temperature:

Not applicable

Dust Explosivity

Not applicable.

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10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	This product is not expected to present any unusual stability or reactivity concerns for emergency response personnel.
Materials to Avoid:	None
Polymerization:	no data available
Hazardous Decomposition Products:	not determined

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
LD50/oral/rat =	Brodifacoum- 0.27 mg/kg
LC50/inhalation/rat =	not determined
Principle Routes of Exposure:	Blood System
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.
Skin Contact:	Slightly Irritating.
Ingestion:	May be harmful if swallowed. May be fatal if excessive quantities are swallowed.
Inhalation:	not determined
Chronic Toxicity:	
Target Organs	Blood System,
Specific Effects:	Adverse health effects are considered unlikely when the product is administered according to label directions. Adverse health effects are associated with chronic high level exposures. Ingestion of the product may impair the ability of the blood to clot.
Sensitization:	Repeated or prolonged exposure may cause sensitization.
Carcinogenic Effects:	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic Effects:	Not mutagenic in a standard battery of genetic toxicological tests.
Teratogenic Effects:	Possible risk to the unborn child.
Reproductive Toxicity:	Possible reproductive hazard.
Aggravated Conditions:	None known.

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12. ECOLOGICAL INFORMATION

Environmental Fate:	Not available.
Environmental Hazards:	No known significant effects or critical hazards.
Ecotoxicity Effects:	no data available
Aquatic Toxicity:	LC50/96 hours/bluegill= 0.165 mg/L EC50/48 hours/daphnia= 0.064 mg/L
Mobility:	Not applicable
Bioaccumulation:	no data available
Environmental Precautions:	No special environmental precautions required

13. DISPOSAL CONSIDERATIONS

Waste/Unused Products:	Avoid disposal, make attempts to use product completely in accordance with intended use. Incinerate unwanted products and waste materials.
Contaminated Packaging:	Not applicable

14. TRANSPORT INFORMATION

DOT (Road/Rail Transport)

UN/ID Number:	Not controlled
Proper Shipping Name:	Not controlled.
Hazard Class:	Not controlled
Packing Group:	Not controlled.
DOT Reportable Quantity (lbs):	NA
Marine Pollutant:	No

ICAO/IATA (Air Transport):

UN/ID Number:	Not controlled
Proper Shipping Name:	Not controlled.
Hazard Class:	Not controlled
Packing Group:	Not controlled.

IMO/IMDG (Maritime Transport):

UN/ID Number:	UN3307
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (Brodifacoum)
Hazard Class:	9
Packing Group:	Not controlled.
Marine Pollutant:	Yes

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15. REGULATORY INFORMATION

Indication of Danger: Not controlled

Other Regulations: Not controlled

16. OTHER INFORMATION

Additional Advice: Use this product only in accordance with the directions provided on the product label or the package insert.

The information provided in this MSDS is based on current knowledge. However, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package insert precautions and this information. All materials may present unknown hazards and should be used with caution.

***** End of Safety Data Sheet *****