

**Hacco, Inc.**  
**110 Hopkins Drive**  
**Randolph, WI 53956**  
**(920) 326-2461**  
**(Regulatory Office)**  
**(920) 326-5141**  
**(Manufacturing Location)**

**In Case of Emergency, Call:**  
**1-800-498-5743 (U.S. Medical Emergency)**  
**1-651-523-0318 (International, Medical Emergency)**  
**1-800-424-9300 (U.S. CHEMTREC)**  
**1-703-527-3887 (International, CHEMTREC)**  
**(collect calls will be accepted on all lines)**

## 1. PRODUCT IDENTIFICATION

Product Name: **Ramik<sup>®</sup> Barres All-Weather Rat & Mouse Killer**  
EPA Signal Word: **CAUTION**  
Active Ingredient (%): Diphacinone (0.005%) CAS No.: 82-66-6  
Chemical Name: 2-Diphenylacetyl-1,3-Indandione  
Chemical Class: An indandione-type anticoagulant rodenticide.  
EPA Registration Number: 22851 P.C.P. Act **Section(s) Revised: Contact Header**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Diphacinone (0.005%)	Not Established	Not Established	Not Established	No
Grain	Not Established	Not Established	Not Established	No
Flavorings	Not Established	Not Established	Not Established	No
Green Pigment	Not Established	Not Established	Not Established	No

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 3. HAZARDS IDENTIFICATION

### Symptoms of Acute Exposure

Slightly irritating to the eyes. The active ingredient is designed to cause bleeding after repeated ingestion.

### Hazardous Decomposition Products

None known.

### Physical Properties

Appearance: Green solid  
Odor: Slight cereal and wax odor

### Unusual Fire, Explosion, and Reactivity Hazards

None known.

## 4. FIRST AID MEASURES

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

Ingestion: **If swallowed**, give patient one or two glasses of water and induce vomiting by touching back of the throat with a finger or blunt object; repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

**CONTACT A PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY.**

Eye Contact: **If in eyes**, flush with water for 15 minutes.

Skin Contact: **If on skin**, wash with soap and water.

Inhalation: Not applicable.

Notes to Physician

This material may reduce the clotting ability of the blood and cause bleeding. Vitamin K<sub>1</sub>, in the form of intravenous, intramuscular or subcutaneous injections, or by oral ingestion is suggested remedial treatments for anticoagulant poisoning. The severity of the case measured by establishing prolonged prothrombin times (P.T.) will determine appropriate therapy. Monitoring P.T. will indicate the necessity of repeated treatments. Blood transfusions are indicated as in the case of hemorrhage caused by overdose of bishydroxycoumarin.

Medical Condition Likely to be Aggravated by Exposure

Bleeding and other conditions which may be aggravated by extended clotting time.

**5. FIRE FIGHTING MEASURES**

Fire and Explosion

Flash Point (Test Method): > 375°F (paraffin wax) Method: PMCC  
Flammable Limits (% in Air): Lower: % Not Applicable Upper: % Not Applicable  
Autoignition Temperature: Not Available  
Flammability: Not Flammable  
Extinguishing Media: Fog or Water Spray, Foam, Carbon Dioxide, Dry Chemical

Hazardous Decomposition Products:

None known.

Unusual Fire, Explosion, and Reactivity Hazards

None known.

In Case of Fire

Potentially hazardous in fire. Wear self-contained breathing apparatus. If water is used as an extinguishing media, diking is required to keep contaminated water out of all water supplies.

**6. ACCIDENTAL RELEASE MEASURES**

In Case of Spill or Leak

Sweep up, place in container and seal.

Waste Disposal Method

Dispose of empty container in household garbage. Dispose of unused and stale bait in accordance with local requirements.

**7. HANDLING AND STORAGE**

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING, AND USE OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

- Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
- Eye Contact: Eye protection is not required for normal handling. Where eye contact is likely, wear tight-fitting chemical goggles.
- Skin Contact: Gloves are not required for normal handling. Where heavy contact is likely, wear chemical resistant (such as nitrile or butyl) gloves.
- Inhalation: Respiratory protection is not required for normal handling. In the event of an unusual dust exposure, use engineering controls or a NIOSH-approved particulate respirator (N, P, R, or HE filter) to keep exposure below the Occupational Exposure Limit.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Green solid
- Odor: Slight cereal and wax odor
- Melting Point: 130°F (paraffin wax)
- Boiling Point: Not Available
- Specific Gravity/Density: Bulk Density 63 lbs. /ft<sup>3</sup>
- pH: Not Available
- Solubility: Insoluble
- Vapor Pressure (mmg Hg): Not Available
- Vapor Density: Not Available

## 10. STABILITY AND REACTIVITY

- Stability: Stable under normal use and storage conditions.
- Hazardous Polymerization: Will not occur.
- Conditions to Avoid: None known.
- Materials to Avoid: None known.
- Hazardous Decomposition Products: None known.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity/Irritation Studies (Finished Product)

- Ingestion: Low Toxicity  
Oral (LD<sub>50</sub> Rat) : > 7 mg/kg body weight (Diphacinone Technical at 98% active)  
Oral (LD<sub>50</sub> Rat) : > 100,000 mg/kg body weight (Ramik Barre)
- Dermal: Not Available  
Dermal (LD<sub>50</sub> Rat) : See "Other Toxicity Information," Section 11
- Inhalation: Not Available  
Inhalation (LC<sub>50</sub> Rat) : See "Other Toxicity Information," Section 11
- Eye Contact: See "Other Toxicity Information," Section 11
- Skin Contact: See "Other Toxicity Information," Section 11
- Skin Sensitization: Not Available

Other Toxicity Information

Systemically toxic concentrations of this product will probably not be absorbed through human skin. Because of the formulation of this product, inhalation is not expected to be a normal route of exposure. No irritation is likely to develop following contact with human eyes. Irritation will probably not develop following contact with human skin.

Effects of overexposure are those of anticoagulant overdose, i.e., reduced blood clotting ability with spontaneous bleeding in various organs. Body accumulation can result from repeated exposures. Individuals with blood clotting disorders may be more susceptible to overexposure effects.

Toxicity of Other Components

Green Pigment : Not Available  
Grains : Not Available  
Flavorings : Not Available  
Paraffin Wax : Not Available

Target Organs

Active Ingredients

Diphacinone Technical: Blood

Inactive Ingredients

Green Pigment : Not Available  
Grains : Not Available  
Paraffin Wax : Not Available  
Flavoring : Not Available

**12. ECOLOGICAL INFORMATION**

Do not discharge effluent containing this product directly to water. Do not contaminate water when disposing of equipment wash water.

**13. DISPOSAL CONSIDERATIONS**

Container Disposal

Do not reuse empty container. Follow provincial instructions for any required cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements.

Pesticide Disposal

Dispose of unused or spoiled bait in accordance with local requirements. For more information on the disposal of unused, unwanted product and the cleanup of spills, contact the **Provincial Regulatory Agency or the Manufacturer**.

**14. TRANSPORT INFORMATION**

DOT Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

IMDG Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

IATA Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

Canadian Classification

Proper Shipping Name: Exterminator, Vermin, O/T Poison  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable

**15. REGULATORY INFORMATION**

EPA SARA Title III Classification

Section 311/312 Hazard Classes: Immediate: No      Delayed: Yes      Fire: No  
Reactive: No      Sudden Release of Pressure: No  
Section 313 Toxic Chemicals: Not Applicable

California Proposition 65

This product contains a chemical known to the State of California to cause cancer: **Sodium Saccharin**

CERLA/SARA 302 Reportable Quantity (RQ)

None

RCRA Hazardous Waste Classification (40 CFR 261)

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

**16. OTHER INFORMATION**

NFPA Hazard Ratings

Health: 1  
Flammability: 1  
Instability: 0

HMIS Hazard Ratings

Health: 1  
Flammability: 1  
Reactivity: 0

0 - Minimal  
1 - Slight  
2 - Moderate  
3 - Serious  
4 - Extreme

For Non-Emergency Questions About This Product Call:

1-800-621-8829

Neogen Corporation

Lexington, KY

[www.Hacco.com](http://www.Hacco.com)

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