

# SAFETY DATA SHEET

Product Name: Ramik® Green  
Issue Date: June 1<sup>st</sup>, 2015  
Replaces: New Issue  
SDS Number: HAC0087 - ESL

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## 1. PRODUCT IDENTIFICATION

Product Name: **Ramik® green**  
Product Number(s):  
Use: Rodenticide  
Manufacturer: HACCO, Inc.  
110 Hopkins Drive  
Randolph, WI 53956  
Manufacturer Phone: 1-920-326-5141  
Distributor: Neogen Corporation – Animal Safety  
944 Nandino Boulevard  
Lexington, KY 40511  
Distributor Phone: 1-800-477-8201  
**Emergency Phone: Medical: 1-651-523-0318**  
**Spill: 1-703-527-3887**

## 2. HAZARDS IDENTIFICATION

Classifications: Specific Target Organ Toxicity: Respiratory Irritation, Category 3  
Carcinogenicity: Category 1A  
Specific Target Organ Toxicity: Repeated Category I  
Dermal: Category 3

Signal Word (EPA): CAUTION

Signal Word (OSHA): DANGER

Hazard Statements: Toxic in contact with skin.  
May cause respiratory irritation.  
May cause cancer.  
Causes damage to organs through prolonged or repeated exposure



Hazard Symbols:

Precautionary Statements: Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust.  
Wash hands and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves, protective clothing, eye protection.  
If on skin: Wash with plenty of soap and water.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If exposed or concerned: Get medical advice/attention.  
Call a poison control center, doctor or 1-651-523-0318 (Prosar) if you feel unwell.  
Take off immediately all contaminated clothing and wash it before reuse.  
Store locked up.  
Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: This product presents no significant hazards under normal conditions of use.  
May form combustible dust concentrations in air.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Diphacinone	Diphacinone	82-66-6	0.005%
Grain	Grain	Not Applicable	Trade Secret
Flavorings	Flavorings	Not Applicable	Trade Secret
Green Colorant	Green Colorant	Not Applicable	Trade Secret

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

## 4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling 800-498-5743, a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call 1-651-523-0318, a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 1-651-523-0318 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call 1-651-523-0318, a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Wash skin with soap and water.

Inhalation: Not applicable.

### Most Important Symptoms/Effects:

Anticoagulant effects.

### Indication of immediate medical attention and special treatment needed:

This product contains anticoagulants with an effect similar to warfarin in that they act by interfering with the synthesis of prothrombin. The specific measure is the prothrombin time. Note this may not become prolonged until 12-18 hours after ingestion. The specific antidote is Vitamin K<sub>1</sub> (Phytomenandione BP).

Antidote must be administered under medical supervision. Initially, antidote should be given by injection (10-20 mg, or 0.25 mg/kg for children, by slow intravenous infusion at a rate of 1 mg/minute. In severe cases the use of fresh frozen plasma may be required). Maintenance treatment is given orally (40 mg/day in divided doses for adults; up to 20 mg/day in divided doses for children). The prothrombin time and the hemoglobin should be monitored. Patients should be kept under medical supervision until the prothrombin time has been normal for 3 consecutive days. Oral treatment may need to be continued for several weeks. (20 mg/day in divided doses for adults, and up to 20 mg/day in divided doses for children). (For animal cases the dose is 2-5 mg/kg).

Further information is available from the Prosar Emergency Number (1-651-523-0318) provided in this documents.

## 5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO<sub>2</sub> extinguishing media. If water is to be used to fight fire, dike and collect run-off.

Specific Hazards:

During a fire, irritating and possible toxic gases may be generated by thermal decomposition of combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or product of combustion.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Clean up spills immediately, observing precautions outlines in Section 8. Sweep up material and place in a compatible disposal container. Once all material is collected, seal container and arrange for disposition.

## 7. HANDLING AND STORAGE

Precautions for safe handling:

Store the material in a well-ventilated, secure rea 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.

Conditions for safe storage, including any incompatibilities:

Store locked up.

## 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.**

### Occupational Exposure Limit

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
Diphacinone	Not Established	Not Established	Not Established	Not Applicable
Grain	Not Established	Not Established	Not Established	Not Applicable
Flavorings	Not Established	Not Established	Not Established	Not Applicable
Green Colorant	Not Established	Not Established	Not Established	Not Applicable

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green extruded nuggets  
Odor: Faint fish odor  
pH: Not Available  
Melting Point: Not Available  
Freezing Point: Not Available  
Boiling Point and Boiling Range: Not Available  
Flash Point (Test Method): Not Available  
Flammable Limits (% in air): Not Available  
Flammability: Not Available  
Vapor Pressure: Not Available  
Vapor Density: Not Available  
Relative Density: 31.00 – 33.00 lbs/ft<sup>3</sup>  
Solubility (ies): Slightly Soluble (Diphacinone Technical)  
Partition Coefficient: Not Available  
Viscosity: Not Available  
Other: Not Available

## 10. STABILTY AND REACTIVITY

Reactivity: Not reactive  
Chemical Stability: Stable under normal use and storage conditions  
Possible Hazardous Reactions: Will not occur  
Conditions to Avoid: None known  
Incompatible Materials: None known  
Hazardous Decomposition Products: None known

## 11. TOXICOLOGICAL INFORMATION

### Health Effects Information

Likely routes of exposure: Dermal, inhalation  
Symptoms of exposure: Anticoagulant effects  
Delayed, immediate and chronic effects of exposure: Anticoagulant effects

### Numerical Measures of Toxicity (Acute Toxicity/Irritation Studies – Finished Product)

Ingestion: Oral LD<sub>50</sub> (Rat): >7 mg/kg body weight  
Dermal: Dermal LD<sub>50</sub> (Rabbit): >10 mg/kg body weight  
Inhalation: Inhalation LC<sub>50</sub> (Rat): <1 mg/kg body weight  
Eye Contact: See “Other Toxicity Information, Section 11”  
Skin Contact: See “Other Toxicity Information, Section 11”  
Skin Sensitization: Not Available

### Reproductive/Developmental Effects

Not Available

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## Chronic/Subchronic Toxicity Studies

Diphacinone Technical: Not Available.

## Carcinogenicity

Diphacinone Technical: Unlikely to be carcinogenic.

### Chemical Name

2-Diphenylacetyl-1,3-Indandione

### NTP / IARC / OSHA Carcinogen

No

## Other Toxicity Information

Systemically toxic concentrations of this product will probably not be absorbed through human skin.

No toxic effects are known to be associated with inhalation of dust from this material.

No irritation is likely to develop following contact with human eyes.

Irritation will probably not develop following contact with human skin.

## Toxicity of Other Components

Not Applicable

## Target Organs

### Active Ingredients

Diphacinone Technical: Blood

### Inactive Ingredients

Not Applicable

## 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

Disposal: Do not reuse empty container except for holding additional product.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

## 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

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## IATA Classification

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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  
Special Instructions: Not Applicable

## 15. REGULATORY INFORMATION

### Pesticide Registration

This chemical is a pesticide product registered by the 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 and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

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

Registration Number : CAS 2003-09-2015

### EPA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65 : Not Applicable

CERLA/SARA 302 Reportable Quantity (RQ) : None

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

TSCA Status: Exempt from TSCA, subject to FIFRA

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## 16. OTHER INFORMATION

### NFPA Hazard Ratings

Health: 1  
Flammability: 1  
Instability: 0

### HMIS Hazard Ratings

Health: 1\*  
Flammability: 1  
Reactivity: 0  
Other:

0 - Minimal  
1 - Slight  
2 - Moderate  
3 - Serious  
4 - Extreme  
\* - Chronic

For Non-Emergency Questions About This Product Call:

1-800-621-8829

Neogen Corporation  
Lexington, KY

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