

RAMIK BROWN

MATERIAL SAFETY DATA SHEET

Product Name: RAMIK BROWN

Registration No. 11,670 P.C.P. Act

SECTION I

Manufacturers' Name: HACCO, INC.

P.O. Box 7190

Madison, WI 53707-7190

For Product Information: 608-221-6200 (Madison Administration Office)

920-326-5141 (Manufacturing location)

Emergency Phone Numbers (U.S.): 800-424-9300 CHEMTREC

For Medical Emergencies Involving this Product: (U.S.)800-228-5635 ext. 136 or call collect, 612-851-8180, ext. 136

Date Prepared: August, 2002

SECTION II - Hazardous Ingredients/Identity Information

Specific Chemical Identity	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Ingr.
Diphacinone (CAS No. 82-66-6)	N/A	N/A	N/A	0.005
Sodium Saccharin (CAS No. 128-44-9)	N/A	N/A	N/A	< 1.000
Inert Ingredients: (non-hazardous) Grain, flavoring, preservative	N/A	N/A	N/A	> 98.995

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE WHICH IS REGULATED UNDER SARA, TITLE III, SECTION 313: None

SECTION III - Physical/Chemical Characteristics

Boiling Point:	N/A
Specific Gravity (water = 1)	Bulk Density = 31-33 lb/ft ³
Vapor Pressure (mm Hg)	N/A
Vapor Density (air=1)	N/A
Melting Point:	N/A
Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water:	Slightly soluble.
Appearance and Odor:	Tan to brown extruded pellets with an apple odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point: N/A

Flammability Limits: UEL: N/A LEL: N/A

Extinguishing Media: Fog or water spray, foam, carbon dioxide, dry chemical.

N/A = Not Available

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SECTION IV - Fire and Explosion Hazard Data (cont.)

Special Fire Fighting Procedures: Potentially hazardous in severe fire.

Wear self-contained breathing apparatus. Heat from fire may cause decomposition with evolution of toxic and irritating fumes. If water is used as an extinguishing media, diking is required to keep contaminated water out of all water supplies.

Unusual Fire and Explosion Hazards: None.

SECTION V - Reactivity Data

Stability: This is a stable material.

Conditions to avoid: None known.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition Products: Aromatic decomposition products: Carbon Monoxide, Carbon Dioxide, Water.

Hazardous Polymerization: Does not occur. Conditions to avoid: None known.

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? No.
Skin? No.
Ingestion? Yes.

Health Hazards (Acute and Chronic): Inhibition of formation of prothrombin and reduction of clotting of blood. Acute Oral LD₅₀ = 7 mg/kg for Diphacinone Technical at 98% Active Ingredient. (Equivalent to >100,000 mg/kg of Ramik Brown)

Carcinogenicity: NTP? Saccharin is a candidate chemical.
IARC Monographs? Saccharin is a candidate chemical.
OSHA Regulated? No.

Saccharin has been determined to cause cancer in laboratory animals.

Signs and symptoms of exposure: Normal reaction to anticoagulant, i.e. nose bleeding, bleeding gums.

Medical Conditions Generally Aggravated by Exposure: Bleeding and other conditions which may be aggravated by extended clotting time.

Emergency and First Aid Procedures: **INGESTION:** 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 unconscious persons. Call Physician or Poison Control Centre immediately. Vitamin K1 in the form of intravenous, intramuscular or subcutaneous injections, or by oral ingestion are 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.

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Sweep up, place in container and seal.

Waste Disposal Method: If these wastes cannot be disposed of by use according to label instructions, contact your Provincial Regulatory Agency.

Precautions to Be Taken In Handling and Storing: Store in original container in a cool dry area separately from fertilizer, feed, or foodstuffs and away from products with strong odors.

Other Precautions: Keep in area suitable for pesticide storage. Keep out of reach of children and domestic animals. Avoid cross-contamination with other pesticides.

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SECTION VIII - Control Measures

Respiratory Protection (specify type): Not generally required.
Ventilation: Local Exhaust? Not generally required.
Mechanical (general)? Not generally required.
Special? Not generally required.
Other? Not generally required.

Protective Gloves: Not generally required.
Eye Protection: Not generally required.
Other Protective Clothing or Equipment: Use clothing and equipment consistent with good pesticide handling and application procedures.

Work/Hygienic Practices: Wash thoroughly after handling product.

SECTION IX - California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65:

- WARNING: This product contains a chemical known to the State of California to cause cancer. (Sodium Saccharin)
- WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION X - SARA TITLE III HAZARD CATEGORY: For Reporting Under Sections 311 & 312

Immediate No Delayed Yes Fire No
Reactive No Sudden Release of Pressure No

SECTION XI - Shipping Information

D.O.T. Hazard Classification: Not D.O.T. Regulated.
Bill of Lading Description: Vermin Exterminators, NOI

All information contained in the Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by HACCO, INC. as to the results to be obtained based upon your use of the information nor does HACCO, INC. assume any liability arising out of your use of the information.