



MATERIAL SAFETY DATA SHEET

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

In Case of Emergency, Call:
1-800-222-1222 (Medical)
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: **CyKill™ Place Packs Kills Rats and Mice Breaks the Cycle**
EPA Signal Word: **CAUTION**
Active Ingredient (%): Bromethalin (0.01%) CAS No.: 63333-35-7
Chemical Name: [N-Methyl-2, 4-dinitro-N-(2,4,6-tribromophenyl)-6-(trifluoromethyl) benzenamine]
Chemical Class: An acute rodenticide
EPA Registration Number: 47629-13-61282 **Section(s) Revised: New Issue**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Bromethalin (0.01%)	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

Ingestion: May be harmful or fatal if swallowed. Symptoms of toxicity include numbness, headache, confusion, personality change, loss of coordination, tremors, convulsive seizures, coma, difficulty with breathing, or death.
Eyes: May cause minor, transient eye irritation (redness).
Skin: None known.
Inhalation: Due to this product's solid form, inhalation is unlikely.

Emergency Overview

Harmful or fatal if swallowed. Any person handling this product who experiences signs and symptoms (such as numbness, headache, loss of coordination, mild confusion) should get medical attention.

Hazardous Decomposition Products

Oxides of carbon.

Physical Properties

Appearance: Green pellets
Odor: Slight cereal odor

Unusual Fire, Explosion, and Reactivity Hazards

None known.

4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment. **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-800-800-1819.**

Ingestion: **Call a physician or poison control center immediately. Induce vomiting only under the direction of medical personnel.** Give person 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If syrup of ipecac is available, give 1 tablespoon (15ml) followed by 1 or 2 glasses of water. If vomiting does not occur within 20 minutes, repeat this dosage once. Do not induce vomiting or give anything by mouth to an unconscious person.

Eye Contact: Flush with water. Get medical attention if irritation persists.

Inhalation: Remove person to fresh air and watch for signs of poisoning.

Skin Contact: Remove contaminated clothing, wash skin with soap and water.

Notes to Physician

THIS PRODUCT IS NOT AN ANTICOAGULANT. Limit absorption by inducing emesis, followed by administration of activated charcoal, milk, beaten eggs or suspension of flour or starch. If person is not convulsing, gastric lavage may be done. Treat convulsions by standard therapy; diazepam, diphenylhydantoin and barbiturate have been shown to prolong survival in rats. Treatment of cerebral edema and increased cerebrospinal fluid pressure should be done in hospital with osmotic diuretic such as mannitol, corticosteroid therapy and furosemide.

Medical Condition Likely to be Aggravated by Exposure

None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method):	Not available	
Flammable Limits (% in Air):	Lower: % Not Available	Upper: % Not Available
Autoignition Temperature:	Not Available	
Flammability:	Not Flammable	
Extinguishing Media:	Use dry chemical or carbon dioxide	

Hazardous Decomposition Products:

Oxides of Carbon.

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

Isolate and contain spill. Limit access to the spill area to necessary personnel. Do not allow spilled material to enter sewers, streams or other waters. Scoop up spilled material and place in a closed, labeled container for disposal.

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.

Read the entire product label before using this rodenticide. Carefully follow all cautions, directions and use restrictions on the label. Do not get in eyes, on skin or on clothing.

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.
- 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.
- Skin Contact: Gloves are not required for normal handling. Where heavy contact is likely, wear chemical resistant (such as nitrile or butyl) gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Green pellets
Odor: Slight cereal odor
Melting Point: Not Available
Boiling Point: Not Available
Specific Gravity/Density: Not Available
pH: Not Available
Solubility: Negligible
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: Alkaline materials.
Hazardous Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Technical Product)

- Ingestion: Acute Toxicity
Oral (LD₅₀ Rat) : 9.1 mg/kg (Bromethalin Technical)
- Dermal: Acute Dermal Effects
Dermal (LD₅₀ Rabbit) : 2000 mg/kg (Bromethalin Technical)
- Inhalation: Acute Inhalation Effects
Inhalation (LC₅₀ Rat, 1 hr.) : 0.024mg/L (Bromethalin Technical)
- Eye Contact: Mild, transient irritation.
Skin Contact: Non-irritating.
Skin Sensitization: Not a skin sensitizer.

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.

Toxicity of Other Components

Not Available

Target Organs

Active Ingredients

Bromethalin Technical : Nervous System

12. ECOLOGICAL INFORMATION

This product is toxic to mammals and birds. Do not apply this product directly to water, where surface water is present or to intertidal areas below the mean high water mark. Follow label cautions and instruction to reduce hazards to non-target animals. 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

Household Use:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

Partly Filled Containers and Spoiled and Unconsumed Bait: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Non-Household Use:

Plastic Containers: Triple rinse (or equivalent). Dispose of empty container in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pesticide Disposal

Wastes resulting from the use of this product, and spoiled and unconsumed bait, may be disposed of at an approved waste disposal facility.

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: Exempt for low concentrations of Hazardous ingredients in mixture.
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

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2
Flammability: 0
Instability: 0

HMIS Hazard Ratings

Health: 2
Flammability: 0
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

Original Issue Date: September 1st, 2008

Revision Date: Not Applicable

Replaces: Not Applicable

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