

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard communication Standard,  
29 CFR 1910.1200. Standard must be consulted  
requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved for specific  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

## Revenge Granular Ant Bait

**ID # 6440524**

Date: September 28, 2012

### Section I

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

(800) 424-9300 (Chemtrec)  
(315) 736-8231

### Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Names(s))	OSHA	PEL	ACGIN	TLV	Other Limits	% (Optional)
Orthoboric Acid (CAS# 10043-35-3)						0.5%

#### EMERGENCY OVERVIEW:

**WARNING!** Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system, liver and kidneys.

### Section III – First Aid Measures

**Inhalation:** Remove to fresh air. If breathing is difficult call a physician.

**Ingestion:** If more than one or two ounces are ingested induce vomiting. Seek medical personnel. Never give anything by mouth to an unconscious person.

**Skin Contact:** Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use. Aggravation of pre-existing conditions: Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

### Section IV – Firefighting Data

**FIRE:** Not considered to be a fire hazard.

**EXPLOSION:** A mixture of potassium and boric acid may explode on impact.

**FIRE EXTINGUISHING MEDIA:** Use any means suitable for extinguishing surrounding fire.

**SPECIAL INFORMATION:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

### Section V – Accidental Release Measures

**SPILL OR LEAK:** Isolate and contain spill. Remove unauthorized persons from spill area. Do not walk through spilled materials. Wear suitable protective gear. Carefully sweep or scoop spill3d material and place in closed, labeled containers for use or disposal. Scrub contaminated surfaces with detergent and water, and collect wash water solution for proper disposal according to label directions. Do not allow spilled material to enter streams, sewers or other waters.

### Section VI – Handling & Storage

**HANDLING AND STORAGE:** Store in a cool, dry place away from children, domestic animals, food and feed products. Do not take internally. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills, which occur during handling and storage.

**OTHER PRECAUTIONS:** Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

### Section VII - Personal Protection & Exposure Controls

**EYE PROTECTION:** None normally required; follow local work rules. Chemical goggles or shielded safety glasses recommended for prolonged or repeated exposure.

**SKIN PROTECTION:** Long sleeves, work gloves or impervious gloves. Avoid skin contact. If prolonged exposure cannot be avoided, wear impervious gloves.

VENTILATION: MECHANICAL (General): Not normally required. Use if ventilation is not adequate.

OTHER PROTECTIVE EQUIPMENT: Practice good hygiene- always wash thoroughly before eating, drinking or smoking. Wash clothing separate from other laundry before reuse.

### Section VIII - Physical and Chemical Properties

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APPEARANCE: tan to brown granules.

ODOR: Odorless.

SOLUBILITY: N/A

BOILING POINT: Decomposes.

MELTING POINT: 169C (336F)

DENSITY: 1.43

pH: N/A

VAPOR DENSITY (Air = 1): N/A

EVAPORATION RATE (BuAc=1): N/A

### Section IX- Reactivity Data

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STABILITY: Stable under ordinary conditions of use and storage. If moisture is present, boric acid can be corrosive to iron.

HAZARDOUS DECOMPOSITION PRODUCTS. Loses chemically combined water upon heating, forming metaboric acid (HB02) at 212-221F, then pyroboric acid (H2B407) AT 285-320F, and boric anhydride at higher temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Potassium, acetic anhydride, alkalis, carbonates, and hydroxides.

CONDITIONS TO AVOID: N/A

### Section X - Ecological Data

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ENVIRONMENTAL FATE: N/A

ENVIRONMENTAL TOXICITY: The EC50/48-hour values for daphnia are over 100 mg/l. This material may be toxic to aquatic life.

### Section XI – Regulatory Information

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AIRBORNE EXPOSURE LIMITS:

-OSHA Permissible Exposure Limit (PEL): 15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable fraction for nuisance dusts.

-ACGIH Threshold Limit Value (TLV): 10 mg/m<sup>3</sup> total dust containing no asbestos and <1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

**NOTICE:** This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

## KEEP OUT OF REACH OF CHILDREN

### ABBREVIATION KEY

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N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

ND: Not Determined

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

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