

# MATERIAL SAFETY DATA SHEET

## NOLO Bait Biological Insecticide Bait

### for Grasshoppers & Locusts

#### SECTION I- IDENTIFICATION OF PRODUCT

MANUFACTURERS NAME: M&R Durango, Inc. TRADE NAME OR SYNONYMS: NOLO Bait  
ADDRESS: P.O. Box 886, Bayfield, CO 81122 CHEMICAL NAME OR SYNONYMS: Nosema locustae Canning  
PHYSICAL LOCATION: 6565 Hwy. 172 CHEMICAL FAMILY: None; Biological Insecticide  
Ignacio, CO 81137

#### SECTION II- HAZARDOUS INGREDIENTS OF MIXTURES

COMPONENT	%	THRESHOLD LIMIT VALUE (Units)
Nosema locustae Canning	0.05	N/A
Other Ingredients (inert/non-hazardous)	99.95	Nuisance Dust: ACGIH & OSHA: Respirable Dust: 5mg/m <sup>3</sup> Total Dust: 10(ACGIH)-15(OSHA)mg/m <sup>3</sup>

#### SECTION III- PHYSICAL DATA

APPEARANCE AND ODOR: Wheat flakes with no distinct (unusual) odor  
BOILING POINT: N/A VAPOR PRESSURE: N/A VAPOR DENSITY: N/A  
SOLUBILITY IN WATER: Insoluble SPECIFIC GRAVITY: N/A BULK DENSITY: 15-20lbs/ft<sup>3</sup>  
PERCENT VOLATILE: N/A EVAPORATION RATE: N/A AUTOIGNITION TEMPERATURE: N/A

#### SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A (does not flash) FLAMMABLE LIMITS: N/A  
FIRE EXTINGUISHING MEDIA: Considered non-combustible: use medium appropriate to surrounding fire: CO<sub>2</sub> or Dry Chemical for small fires, Water Spray or Foam for large fires.  
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective clothing. Keep non-essential personnel away from immediate fire area, and out of any fall-out or run-off areas.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dusts may form explosive mixtures with air; avoid use of heavy water streams.

#### SECTION V- REACTIVITY DATA

STABILITY: Stable; Conditions to avoid: See Section IX  
INCOMPATIBLES (Materials to avoid): None  
HAZARDOUS DECOMPOSITION PRODUCTS: None  
HAZARDOUS POLYMERIZATION: Will not occur; Conditions to avoid: None known.

#### SECTION VI- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Routes of Entry, Ingestion, Inhalation, eyes and skin contact. Most likely Route of Entry: Dermal. Product is considered to be non-toxic.  
EMERGENCY AND FIRST AID PROCEDURES: Avoid inhalation, ingestion, or contact with eyes or open wounds.  
**Ingestion:** Drink 1 or 2 glasses of water. If irritation occurs, induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. If irritation persists, get medical attention. **Eyes:** Flush with running water for at least 15 minutes while holding eyelids open to help flush out material. If irritation persists, get medical attention. **Skin:** Wash affected area thoroughly with soap and water. If irritation persists, get medical attention. **Inhalation:** Remove to fresh air. If irritation persists, get medical attention.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Overexposure to dust may aggravate existing respiratory disease, leading to respiratory difficulty.

POTENTIAL CARCINOGEN STATUS: Not known. None of the components in this product is listed by IARC, NTP, or OSHA as a potential carcinogen. (IARC CANCER REVIEW, ANIMAL INADEQUATE EVIDENCE, IMEMDT 12, 37, 78, IARC Monogr Eval Carcinog Risk Chem Man)

#### SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE THE MATERIAL IS RELEASED OR SPILLED: Contain spill, vacuum or scoop up and sweep up, place in container for disposal.

WASTE DISPOSAL METHOD: Material which can not be used at the site should be disposed of in an approved waste facility following all applicable Federal, State, and Local regulations. Completely empty container into application equipment (if any), then dispose of empty container in sanitary landfill. If allowed by state and local authorities, empty containers may be burned. If burned, stay out of smoke.

#### SECTION VIII- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If airborne concentrations of this material approach allowable exposure limits, wear MSHA/NIOSH- approved respirator for wheat-bran dust.

VENTILATION: **Local Exhaust:** Not normally required. **Special:** Not normally required. **Mechanical (General):** Not normally required. Use if ventilation is not adequate. **Other:** Work in a well-ventilated area.

PROTECTIVE GLOVES: Work gloves or impervious gloves recommended.

EYE PROTECTION: Not normally required; follow local work rules.

OTHER PROTECTIVE EQUIPMENT: Wear clothing consistent with good practices for handling and applying pesticides.

#### SECTION IX- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry place away from children, domestic animals, food and feed products. Optimum storage temperature is 5°C (42°F). For best results, use within 13 weeks of date on formulation. 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 or storage.

OTHER PRECAUTIONS: Do not directly 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 X- DOT INFORMATION AND DATE

DOT CLASSIFICATION: Not regulated by DOT      DATE OF ISSUE: 31 Jan. 89

DOT LABEL: None required      SUPERSEDES: 31 Oct. 88

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 M&R Durango, Inc. as to the results to be obtained based upon your use of the information, nor does M&R Durango, Inc. assume any liability arising out of your use of the information.