

# MATERIAL SAFETY DATA SHEET

# CARBARYL CUTWORM BAIT

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### FORMULATED FOR:

LOVELAND PRODUCTS, INC.  
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300  
Medical Emergencies: 1-866-944-8565  
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: CARBARYL CUTWORM BAIT  
CHEMICAL NAME: Carbaryl; 1-naphthyl n-methylcarbamate  
CHEMICAL FAMILY: N-methyl Carbamate Insecticide  
EPA REG. NO.: 34704-1021  
MSDS Number: 001021-12b-LPI      MSDS Revisions: Section 15

Date of Issue: 12/12/12      Supersedes: 01/26/12

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION** – Harmful if swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when applying this product.

This product is a white to light brown granule with mild odor. Primary routes of entry are Inhalation, eye contact and skin contact.

**NOTE TO PHYSICIAN:** This product contains N-methyl carbamate, which is a cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiates, or cholinesterase-inhibiting drugs.

## 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Carbaryl	5.00	63-25-2	0.5 mg/m <sup>3</sup> IFV
Inert ingredients	95.00		

## 4. FIRST AID MEASURES

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

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

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: **1-866-944-8565**. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** Does not flash.

**FLAMMABLE LIMITS (LEL & UEL):** Not applicable

**EXTINGUISHING MEDIA:** Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition products include, but are not limited to, oxides of nitrogen and carbon and methyl isocyanate in trace amounts.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No additional information.

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**6. ACCIDENTAL RELEASE MEASURES**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Sweep up solid spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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**7. HANDLING AND STORAGE**

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**HANDLING:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE:** Keep in original container. Store in a cool, dry place. Protect from excessive heat. Do not contaminate water, food or feed by storage or disposal.

**Personal Protective Equipment (PPE): Loaders, applicators and other handlers must wear:** long sleeved shirt and long pants, chemical-resistant gloves and shoes plus socks. **User Safety Requirements:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:** When handlers use enclosed cabs in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS. Aerial application of this product is prohibited.

**RESPIRATORY PROTECTION:** Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing as dictated by workplace conditions: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Carbaryl	5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup> IFV*

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE AND ODOR:</b> White to light brown granules with mild odor	<b>SOLUBILITY:</b> Insoluble
<b>SPECIFIC GRAVITY (Water= 1):</b> 0.48 - 0.64 g/ml	<b>pH:</b> not applicable
<b>VAPOR PRESSURE:</b> Not available	
<b>PERCENT VOLATILE (by volume):</b> not established	
<b>BULK DENSITY:</b> 30 - 40 lbs/ft <sup>3</sup>	
<b>BOILING POINT:</b> not applicable	
<b>EVAPORATION RATE:</b> > 1	

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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**10. STABILITY AND REACTIVITY**

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid excessive heat, and open flame

**INCOMPATIBILITY:** Strong bases, oxidizers, and acids

**Hazardous Decomposition Products:** Thermal decomposition: oxides of nitrogen and carbon and trace amounts of methyl isocyanate.

**Hazardous Polymerization:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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<b>Acute Oral LD<sub>50</sub> (rat):</b> 281 mg/kg	<b>Acute Dermal LD<sub>50</sub> (rabbit):</b> > 2000 mg/kg
<b>Eye Irritation (rabbit):</b> Causes slight irritation	<b>Skin Irritation (rabbit):</b> May cause minimal irritation
<b>Inhalation LC<sub>50</sub> (rat):</b> Not established.	<b>Skin Sensitization (guinea pig):</b> Not a sensitizer
<b>Carcinogenic Potential:</b> None listed in OSHA or NTP. IARC lists Carbaryl as IARC-3: Unclassifiable as to Carcinogenicity in Humans. ACGIH lists Carbaryl as TLV-A4: Not Classifiable as a Human Carcinogen.	
ACGIH has recommended a Biological Exposure Index for Carbaryl: BEI <sub>A</sub> : Acetylcholinesterase Inhibiting Pesticides	

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**12. ECOLOGICAL INFORMATION**

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This pesticide is extremely toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not apply when weather conditions favor drift from area treated. Drift and runoff may kill aquatic invertebrates in water adjacent to treated areas. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

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**13. DISPOSAL CONSIDERATIONS**

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**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

**CONTAINER DISPOSAL: Non-refillable container.** Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration. Do not burn unless allowed by State and local ordinances. Do not contaminate water, food or feed by storage or disposal.

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**14. TRANSPORT INFORMATION**

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**DOT Shipping Description:** NOT REGULATED BY USDOT FOR HIGHWAY TRANSPORTATION.

**U.S. Surface Freight Classification:** INSECTICIDES, INSECT REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS 60)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

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**15. REGULATORY INFORMATION**

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**NFPA & HMIS Hazard Ratings:****NFPA**

1	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

**HMIS**

1	Health
0	Flammability
0	Reactivity
E	PPE

**SARA Hazard Notification/Reporting**

<b>SARA Title III Hazard Category:</b>	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>N</u>	Reactive	<u>N</u>		

**Reportable Quantity (RQ) under U.S. CERCLA:** Carbaryl (CAS: 63-25-2): 100 pounds (2000 pounds of the product)

**SARA, Title III, Section 313:** Carbaryl (CAS: 63-25-2): 5.0%

**RCRA Waste Code:** U279

**CA Proposition 65: WARNING:** This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm

**CAUTION** – This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals.

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**16. OTHER INFORMATION**

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**MSDS STATUS:** Section 15 revised

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental Health and Safety

\*Measured as inhalable fraction and vapor.

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