

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
SDS Number: 001021-14-LPI SDS Revisions: Sections 2, 15

Date of Issue: 12/29/14 Supersedes: 12/12/12

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS – 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 ³ 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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 ³	0.5 mg/m ³ IFV*

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 281 mg/kg	Acute Dermal LD₅₀ (rabbit): > 2000 mg/kg
Eye Irritation (rabbit): Causes slight irritation	Skin Irritation (rabbit): May cause minimal irritation
Inhalation LC₅₀ (rat): Not established.	Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenic Potential: 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_A: Acetylcholinesterase Inhibiting Pesticides

12. ECOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

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.

15. REGULATORY INFORMATION

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

SARA Title III Hazard Category:	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

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. Following is the hazard information as required on the pesticide label:

CAUTION

Harmful if swallowed.

Harmful if absorbed through the skin.

Causes moderate eye irritation.

Avoid contact with skin, eyes, or clothing.

Wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves when applying this product.

16. OTHER INFORMATION

SDS STATUS: Sections 2 and 15 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

*Measured as inhalable fraction and vapor.

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.