

# MATERIAL SAFETY DATA SHEET

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Emergency Telephone No.

1-800-424-9300 (ChemTrec)

## SECTION I – GENERAL INFORMATION

TRADE NAME: **CARBARYL 4L**  
CHEMICAL NAME: 1-Napthyl N-methylcarbamate (Carbaryl)  
CHEMICAL FAMILY: Carbamates (Insecticide)  
EPA REG. NO.: 19713-49  
SIGNAL WORD: CAUTION

## SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Carbaryl	63-25-2	43.40	5 mg/m <sup>3</sup>	H
Inerts	N/A	56.60	N/A	NH

## SECTION III – PHYSICAL DATA

Boiling Point: 212°F      Specific Gravity: 1.11 @ 20°C  
Vapor Pressure: 17.8mmHg @ 20°C      % Volatiles: N.E.  
Vapor Density: 0.62      Solubility in Water: Dispersible  
pH (@ 5%): 4.0-5.0      Appearance/Odor: White liquid with mild odor

## SECTION IV – FIRE & EXPLOSION DATA

Flash Point: Non-Combustible  
Extinguishing Media: Use CO<sup>2</sup>, dry chemical for small fires. Use alcohol foam, polymer foam, or water spray for large fires.  
Fire Fighting Procedures: Self-contained breathing apparatus is required. Consult physician if heavily exposed. Prevent water runoff if possible.

## SECTION V – REACTIVITY DATA

Stability: Stable under normal conditions  
Conditions to Avoid: Extreme temperatures and open flame  
Incompatibility: Avoid contamination with strong acids and bases  
Hazardous Decomposition Products: Thermal decomposition or burning may produce oxides of nitrogen, oxides of carbon, and methyl isocyanate (trace amounts, no adverse health effects expected).  
Hazardous Polymerization: Will not occur.

## SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A  
Toxicity Data: Oral LD50 (Rat) = 590 mg/kg  
Dermal LD50 (Rabbit) = >2,000 mg/kg  
TLV: 5 mg/m<sup>3</sup>  
N.F.P.A.: Health: 3, Fire: 0, Reactivity: 0  
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)  
Effects of Overexposure: Causes headaches, nausea, vomiting, sweating, abdominal cramps and pinpoint pupils. Do not ingest.

## SECTION VII – EMERGENCY PROCEDURES

**If swallowed:** Immediately call a poison control center or doctor 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 or convulsing person.

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

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

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15 to 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.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378

**Note to Physician:** Carbaryl is an N-methyl carbamate that inhibits cholinesterase. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended.

## SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill  
Dilute spill using absorbent or impervious materials such as earth, sand, clay to contain spill. Cover with sweeping compound and sweep up with as little dusting as possible. Mop area with water. Do not flush material to public sewer systems. Assure that protective gear is worn.

Waste Disposal Method  
Dispose of in accordance with Local, State, and Federal Regulations.

## SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator  
Ventilation: General recommended  
Protective Gloves: Chemical-resistant  
Eye Protection: Chemical goggles  
Other: Long-sleeved shirt and long pants, shoes plus socks and chemical-resistant headgear for overhead exposure.

**SECTION X – SPECIAL PRECAUTIONS**

Precautions To Be Taken In Handling & Storage

KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Store in original container only in cool, dry area. Do not contaminate water, food, or feed. Avoid contact with skin and eyes.

D.O.T. Description: UN-3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Carbaryl), 9, PG-III, Marine Pollutant, RQ 100 lbs.

**NOTE: 2 x 2.5 G Case Not Regulated**

Freight Description: Agricultural Insecticide, Liquid, N.O.S.

Reportable Quantity: 100 lbs.

E.R.G. Guide Sheet: 171

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