

MATERIAL SAFETY DATA SHEET

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Emergency Telephone No.

1-800-424-9300 (ChemTrec)

SECTION I – GENERAL INFORMATION		SECTION VII – EMERGENCY PROCEDURES			
TRADE NAME	CARBARYL 4L	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 or convulsing person.		
CHEMICAL NAME	1-Naphthyl N-methylcarbamate (Carbaryl)	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.		
CHEMICAL FAMILY	Carbamates (Insecticide)	If on Skin or Clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.		
EPA REG. NO.	19713-49	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.		
SIGNAL WORD	CAUTION		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.		
SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))			GENERAL: Contact a physician immediately in all cases of suspected poisoning. Transport to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.		
NAME	CAS NO.	% (by wt.)	TLV	CLASS	ANTIDOTE STATEMENT: ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. See NOTE TO PHYSICIAN.
Carbaryl	63-25-2	43.40	5 mg/m3	H	NOTE TO PHYSICIAN: Treat symptomatically. Overexposure to materials other than this product may have occurred. Carbaryl is an N-methylcarbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Gastric lavage may be used if this product has been swallowed. Carbaryl poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated. Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent over-atropinization. Improve tissue oxygenation as much as possible before administering atropine to minimize the risk of ventricular fibrillation. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until fully atropinized, the intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. To aid in confirmation of diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen.
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	NOT ESTABLISHED		
Vapor Density	0.62	Solubility in Water	Dispersible		
pH	4.0-5.0	Appearance/Odor	White liquid with mild odor		
SECTION IV – FIRE & EXPLOSION DATA					
Flash Point	Non-Combustible				
Extinguishing Media	Use CO ² , 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/m3				
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 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 PRECAUTIONSPrecautions 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 Environmentally Hazardous Substance, Liquid, N.O.S., (Carbaryl), 9, UN-3082, PG-III, Marine Pollutant

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

The information presented herein for consideration, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, or guaranty is expressed or implied regarding the accuracy or reliability of such information and we shall not be liable for any loss or consequential damages arising out of the use thereof.

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