

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME	CARBARYL 80S
CHEMICAL NAME	1-Naphthyl-N-Methylcarbamate (Carbaryl)
CHEMICAL FAMILY	Carbamates
EPA REG. NO.	19713-50
SIGNAL WORD	WARNING

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

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Carbaryl	63-25-2	80	5mg/m3	H
Inerts	N/A	20	N/A	NH

SECTION III – PHYSICAL DATA

<u>Boiling Point</u>	N/A	<u>Bulk Density</u>	25-26#/ft ³
<u>Vapor Pressure</u>	N/A	<u>% Volatiles</u>	N/A
<u>Vapor Density</u>	N/A	<u>Solubility in Water</u>	40 ppm, dispersible
<u>pH</u>	5-7	<u>Appearance/Odor</u>	Light tan powder, mild phenolic odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point	N/A
Extinguishing Media	Dry chemical, CO ₂ , for small fires
Fire Fighting Procedures	Assure self-contained breathing apparatus is worn in confined areas. Fight fire from upwind.

SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Extreme heat and open flame
Incompatibility	Avoid contamination with aqueous mineral acids or alkalies.
Hazardous Decomposition Products	Oxides of nitrogen, oxides of carbon, and methyl isocyanate (trace amounts, no adverse health affects expected).
Hazardous Polymerization	Will not occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity	N/A
Toxicity Data	Oral LD50 (Rat) = 281 mg/kg Dermal LD50 (Rabbit) = >2,000 mg/kg 5 mg/m3
TLV	
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 headache, nausea, vomiting, sweating, abdominal cramps and pinpoint pupils.

SECTION VII – EMERGENCY PROCEDURES

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.

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.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, the give artificial respiration, preferably mouth-to-mouth if possible.

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.

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.

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.

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.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill

Pick up spilled material and place in suitable container. Decontaminate area with alkaline solution. Assure that proper protective equipment is worn. Prevent runoff if possible.

Waste Disposal Method

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

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH approved pesticide respirator
Ventilation	General recommended
Protective Gloves	Rubber impervious
Eye Protection	Chemical goggles, or safety glasses with side shields.
Other	Coveralls, long-sleeved shirt, rubber boots

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.

Date Prepared: 10-29-01

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage

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

Store in cool, dry area away from foodstuff or feed. Avoid contact with skin and eyes.

D.O.T. Description	Environmentally Hazardous Substance, Solid, N.O.S., (Carbaryl), 9, Marine Pollutant, UN-3077, PG-III
Freight Description	Agricultural Insecticide, Solid, N.O.S.
Reportable Quantity	100 lbs.
E.R.G. Guide Sheet	171
NOTE:	5 x 10 lb Case Not Regulated