

**SA50 BRAND SEVIN<sup>R</sup> 50W**  
**MATERIAL SAFETY DATA SHEET**

**MANUFACTURER'S NAME & ADDRESS**  
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**I NOMENCLATURE**

Product Name: SA-50 BRAND SEVIN<sup>R</sup> 50W INSECTICIDE EPA Reg. No. 829-142  
 Chemical Name: 1-Naphthyl Methylcarbamate, (Carbaryl)  
 Synonyms: Sevin, Carbaryl  
 Chemical Family: Carbamate pesticide

**II HAZARDOUS INGREDIENTS**

	CAS No.	OSHA TWA	ACGIH TWA	Nominal %
Carbaryl	63-25-2	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	50.4 %
Kaolin clay	1332-58-7	15 mg/m <sup>3</sup> Total dust	10 mg/m <sup>3</sup> Total dust	36.5%
		5 mg/m <sup>3</sup> Respirable	5 mg/m <sup>3</sup> Respirable	
Crystalline silicate as quartz	14808-60-7	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	>0.1%

**III PHYSICAL PROPERTIES**

Boiling point: Not available \*Bulk Density: approximately 25 LB/ ft<sup>3</sup>  
 Vapor Pressure: Not available Vapor Density: (air=1) Not Available  
 Solubility In Water: disperses Appearance/Odor: White to light tan, powder  
 pH 4-6.5 ( 5% in water) Phenolic odor

**IV FIRE AND EXPLOSION DATA**

Flash Point: Not applicable Autoignition Temp. N/A  
 Extinguishing Media: Recommended (small fires) CO<sub>2</sub> or dry chemical. Alcohol foam or water spray on large fires.  
 Special Fire Fighting Procedures: Evacuate people downwind of fire. Firemen should wear full protective clothing and self-contained breathing equipment. Avoid contact with toxic fumes or smoke. Be alert for symptoms of poisoning during the fire. Persons who may have been exposed to smoke from burning product should be checked for symptoms of poisoning. Symptoms of pesticide poisoning may be mistaken for heat exhaustion or smoke inhalation. See section V for symptoms. Decontaminate clothing before reuse.  
 Unusual Fire & Explosion Hazards: Avoid dispersion of dust to reduce potential explosion hazard.

**V FIRST AID**

**EYE Exposure:** Flush eyes a gentle stream of clean water for at least 15 minutes. Hold eye lids apart to ensure washing underside of lids. Remove contact lenses while rinsing. Get medical attention.  
**SKIN Exposure:** Immediately wash with plenty of soap and water for at least 5 minutes Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops or persists.  
**INHALATION:** Remove from immediate source of exposure to fresh air and insure victim is breathing. If breathing is difficult, administer oxygen, if not breathing administer CPR. Get medical attention.  
**INGESTION:** If victim is conscious and alert, Wash out mouth with water, then immediately give 2-3 glasses of water to drink and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious give water to further dilute the chemical.  
**Notes To physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.  
 This product contains a methyl carbamate 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.  
 Specific treatment consists of parenteral atropine sulfate. Improve tissue oxygenation as much as possible before administering atropine sulfate to minimize the risk of ventricular fibrillation. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 -4 mg intravenously every 10 minutes until fully atropinized, than intramuscularly every 30-60 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 in 24 hours. To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen. Call Rhone- Poulenc Ag Company 1-800 334-7577 to arrange for analyses.  
 Narcotics and other sedatives should not be used. Further drugs like 2-PAM (pyridine-2-aldoxime methiodide are not recommended. Persons exposed regularly to this product should have a preexposure and periodic red blood cell cholinesterase level checks

# SEVIN 50W Material safety data sheet

## VI. HEALTH HAZARD DATA

ROUTES OF ENTRY: Ingestion, Inhalation. Skin. This product causes reversible cholinesterase inhibition.

Persons regularly exposed in manufacturing and handling this product should have a preexposure and periodic red blood cell cholinesterase level checks.

SYMPTOMS of OVEREXPOSURE: May be fatal if swallowed. Repeated overexposures may cause more severe cholinesterase inhibition with more pronounced signs and symptoms. May lead to rapid onset of nausea, vomiting, diarrhea, abdominal pain involuntary shaking, excess salivation, pinpoint pupils, blurred vision, profuse sweating, temporary paralysis, respiratory depression, convulsions.

TOXICOLOGY; Eye irritation (rabbit) Slight irritation Skin irritation: (rabbit) Minimal irritation

Dermal LD<sub>50</sub> > 2000 mg/kg (rabbit) Oral LD<sub>50</sub> 406 mg/kg (rat) Inhalation LC<sub>50</sub> (Rats 4 hr) 3.21 mg/L

This product may contain the following substance that is considered a probable or suspected human carcinogen as part of the clay diluents. Crystalline silica as quartz: OSHA no IARC no NTP yes ACGIH no

Carbaryl has been shown to cause tumors in laboratory animals in lifetime feeding studies. Carbaryl, when administered by various routes, at doses toxic to maternal animals has been shown to produce developmental toxicity in a number of species. Carbaryl produces no teratogenic effect in the absence of maternal toxicity.

## VII. REACTIVITY

Stability: Stable Store below 100°F Materials to Avoid: strong acids and bases.

Condition to avoid: Extreme heat, open flame, extreme humidity, moisture.

Hazardous Thermal Decomposition Products: nitrogen oxides, carbon monoxide, and/or carbon dioxide. Trace amounts of methylisocyanate (trace amounts; no adverse health effects expected) Hazardous Polymerization: Will not Occur.

## VIII ACCIDENTAL RELEASE MEASURES

Wear appropriate clothing for size of spill.(Re: section IX). For a small spill of the undiluted material .cover with sweeping compound and sweep up. Avoid creating dust. Put sweeping in a labeled, covered, waste receptacle. After sweeping, wash area with water. For a large spill or fire, dike spilled material, runoff from fire control water and wash water. Release may cause pollution Absorb liquids material and recover. Do not allow contamination of surface water, domestic water or sewer systems. Dispose of waste material in accordance with local, state, and Federal regulations. Spills may be reportable to National Response Center.

## IX. SPECIAL PROTECTION

When exposure guidelines would be exceeded wear a Respirator: NIOSH/MESA approved air purifying respirator with a pesticide canister.

Ventilation: General or Local Exhaust to maintain exposure guidelines.

Wear chemical resistant gloves, splash proof goggles or safety glasses with side shields and clean long sleeved body covering work clothing, hat and shoes and socks. Have available an eye wash and facility for washing.

## X SPECIAL PRECAUTIONS

Handling Precautions: Avoid direct and/or prolonged contact with skin and eyes. Avoid breathing dust. Follow all label directions. Handle carefully so as to avoid damage to packages. Do not put damaged packages in storage. Follow precautions in section IX, particularly if exposure is repeated or prolonged. Shower after work. Wear freshly laundered work clothing. Launder clothing separately.

Storing Precautions: Do not put leaking packages into storage. Store indoors in a cool dry place. Avoid contact with heat. Do not store, use, or consume foods, beverages, tobacco products or cosmetics in areas where this material is stored. After handling wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using toilet.

Other Precautions: KEEP OUT OF REACH OF CHILDREN. Do not contaminate feed and foodstuffs. Avoid contamination of water supplies, streams, and ponds.

## XI. SHIPPING AND SELECTED FEDERAL REGULATIONS

DOT Not regulated for domestic surface transportation any packing sizes packed by Southern Agricultural Insecticides, Inc.

Shipping : Insecticides NOI, other than poison NMFC 102120

SARA Title III : Acute Health Hazard- Chronic Health Hazard

SARA 313 Chemicals Carbaryl (1 Naphthyl N-Methyl Carbamate)

SARA Extremely hazardous substances (EHS)/CERCLA Hazardous substances

Ingredient Carbaryl (1 Naphthyl N-Methyl Carbamate) CERCLA/SARA RQ 100 lb.

NFPA Hazard Ratings

Health Hazard Rating 3 (Serious) Flammability Rating 1 (Slight) Reactivity Rating 1 (Slight)

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

REF.: Rhone-Poulenc Ag Co. MSDS Sevin 50W 10/23/89 CFR 29-1910 7/92

“ “ “ “ “ Sevin 80S 9/16/95

