



# MATERIAL SAFETY DATA SHEET #2021

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DATE ISSUED: 11/15/00  
SUPERSEDES: 03/30/00

## I. PRODUCT IDENTIFICATION

**Product:** LESCO Sevin Brand SL  
**Chemical Name/Synonyms:** Carbaryl

**Chemical Family:** Carbamate

## II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS #
1-Naphthyl N-methylcarbamate (Carbaryl)	5 mg/cu meter	41.2%	63-25-2
Other ingredients		58.8%	

## III. PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b>	98.8° C	<b>Specific Gravity (water=1):</b>	1.09-1.11 @ 20/20° C
<b>Melting Point:</b>	NA	<b>Bulk Density (lbs./cu. ft.):</b>	NA
<b>Vapor Pressure (mm Hg):</b>	17.8 mm Hg @ 20° C	<b>Evaporation Rate:</b>	ND
<b>Vapor Density (air = 1):</b>	41-46 lbs/cu. ft.	<b>Percent Volatile:</b>	ND
<b>Solubility in Water:</b>	Miscible	<b>Appearance and Odor:</b>	White to cream-colored liquid; mild odor.
<b>pH:</b>	4.0-5.0		

## IV. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (method Used):</b> Noncombustible	<b>Auto Ignition Temperature:</b> None		
<b>Lower Explosion Limits:</b> ND	<b>Upper Explosion Limits:</b> ND		
<b>NFPA/HMIS RATING:</b>	<b>HEALTH</b>	<b>FIRE</b>	<b>REACTIVITY</b>
	2	1	1
<b>Extinguishing Media:</b>	<input checked="" type="checkbox"/> Foam	<input type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> Dry Chemical
	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> CO <sub>2</sub>

**Special Fire-Fighting Procedures:** Not considered flammable or combustible; however, under fire conditions it may decompose to give off toxic materials.

Provide for the protection of employees and residents: a) Evacuate residents who are downwind to fire. b) Prevent unauthorized entry to fire area. c) Persons who may have been exposed to contaminated smoke should be examined by a physician and treated appropriately. d) Dike area to prevent runoff and contamination of water sources.

Notify local authorities that firemen should: a) Wear protective clothing and use self-contained breathing apparatus. b) Be immediately relieved from duty, if exposed to contaminated smoke, and checked for symptoms of poisoning. These should not be mistaken for heat exhaustion or smoke inhalation.

**Unusual Fire and Explosion Hazards:** Thermal decomposition products may be hazardous. These may include oxides of nitrogen, sulfur and carbon and methyl isocyanate.

## V. HEALTH HAZARDS

**Primary Route(s) of Entry:** Skin, eyes, inhalation, ingestion.

### Signs & Symptoms of Exposure

**Acute:** Illness may occur rapidly after overexposure to this product. The principal hazard of this product is reversible cholinesterase inhibition. Symptoms are dose dependent, rapid in onset and reversible in time, including: Rapid onset of nausea, vomiting, abdominal pain, diarrhea, pinpoint pupils, blurred vision, profuse sweating, salivation, tremor, muscle twitching and temporary paralysis. In severe poisoning, respiratory depression and convulsions may occur.

**Chronic:** Repeated overexposure may cause more severe cholinesterase inhibition with the signs and symptoms described for single overexposures being more pronounced.

### Emergency First-Aid Procedures

**Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.

**Skin:** Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Wash clothing separately before reuse.

**Inhalation:** Remove victim to fresh air. If not breathing, administer cardiopulmonary resuscitation or artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

**Ingestion:** If patient is conscious and alert, give 2 to 3 glasses of water or milk to drink. Give one tablespoon of Syrup of Ipecac to induce vomiting. If vomiting has not occurred in 20 minutes, the same dose of Syrup of Ipecac may be repeated one additional time. Alternatively, induce vomiting by touching back of throat with finger. Do not make an unconscious person vomit. Get medical attention.

**Notes to Physician:** Treat symptomatically. 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 to minimize the risk of ventricular fibrillation. Mild cases may be given 1 to 2 mg intra-muscular every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg. intravenously every 10 minutes until fully atropinized, then intra-muscular every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Caution

should be maintained to prevent over atropinization. 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. Persons regularly exposed in manufacturing and handling this product should have a pre-exposure and periodic red blood cell cholinesterase level check.

**Medical Conditions Aggravated by Exposure:**

Skin irritation may be aggravated in persons with existing skin lesions. Breathing of vapor or sprays (mists) may aggravate acute or chronic asthma and chronic pulmonary disease such as emphysema or bronchitis. Overexposure may aggravate existing chronic cardiovascular or respiratory disease, leading to respiratory difficulty, pulmonary edema and cyanosis.

**Toxicity Information:**

**Oral LD<sub>50</sub>:** 590 mg/kg body weight (acute)

**Dermal LD<sub>50</sub>:** (rabbits): >2,000 mg/kg body weight (acute)

**Inhalation LC<sub>50</sub>:** (rats - 4 hour exposure): >1.8 mg/L **Eye Irritation(rabbit):** Slight irritation.

**Skin Irritation (rabbit):** Minimal irritation.

**Positive Teratogen or Mutagen Carcinogen(NTP): No Potential Carcinogen (IARC or OSHA): No**

**VI. REACTIVITY**

**Stability:**  Stable  Unstable

**Conditions to Avoid:** Extended storage at temperatures in excess of 100°F (37.8°C).

**Incompatibility:** Alkalis and strong acids.

**Hazardous Decomposition Products:** Oxides of nitrogen, sulfur, and carbon, and methyl isocyanate may be produced upon thermal decomposition.

**Hazardous Polymerization:**  Will not occur  Will occur

**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

**If material is spilled:** Dike large spills using absorbent or impervious materials such as sand or clay. Recover and contain as much free liquid as possible. Recover remaining spilled material as appropriate. Collect and contain contaminated absorbent and dike material for disposal. Absorb small spills on sand or vermiculite. Place contaminated material in appropriate container for disposal. If spilled on the ground, the affected area should be removed to a depth of one or two inches and placed in an appropriate container for disposal. Do not flush material to public sewer systems or any waterways. Wear appropriate protective clothing and equipment during cleanup activities. Ensure adequate decontamination of tools and equipment following clean up.

**Waste Disposal Method:** Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery act (RCRA) and follow state and local guidelines. Triple rinse and puncture containers as required.

**Container Disposal:** Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment or original product. Remove all product residue and puncture or otherwise destroy empty container before disposal.

**VIII. SPECIAL PROTECTION INFORMATION**

**Protective Equipment Suggested for Outdoor Application:**

Impervious Gloves  Dust Mask  Respirator(use NIOSH/MSHA approved)

Impervious Boots  Clean Clothing  Eye Goggles / Safety Glasses

**Protective Equipment Suggested for Confined Areas:**

Sufficient Ventilation  Respirator(use NIOSH/MSHA approved)  Dust Mask

Splash Goggles/Safety Glasses  Eyewash Station  Emergency Shower  Impervious Apron

**IX. STORAGE AND HANDLING**

**Precautions:** Do not ingest. Avoid exposure by inhalation. Avoid getting in eyes, on skin or on clothing.

**Other Precautions:** Store unused product in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F(37.8°C).

This product may be used following exposure to several freeze-thaw cycles. Do not contaminate water, food or feed by storage or disposal.

**X. FEDERAL REGULATORY INFORMATION:**

**SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES**

**D.O.T. SHIPPING INFORMATION**

Immediate (acute Health **PROPER SHIPPING NAME:** Carbaryl

Delayed (Chronic) Health

Fire

**HAZARD CLASS:**

Sudden Release of Pressure

Reactivity

**I.D. NUMBER:** NA 2757 **HAZMAT NUMBER:** NA

**SEC 302**

**SEC 304**

**SEC 313**

**CERCLA**

**CAA**

**EPA Reg. No.**

TPQ=NA

NA

Y

RQ=100 lbs(carbaryl)

RQ=1 lb(carbaryl)

264-335-10404

NA = Not Applicable

ND = Not Determined

Preparation and distribution of this Material Safety Data Sheet done by LESCO, Inc., 15885 Sprague Road, Strongsville, OH 44136, pursuant to the OSHA Hazard Communication Standard (29 CFR §1910.1200).

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