

LESCO, Inc  
SAFETY DATA SHEET #2021

**LESCO® SEVIN® SL CARBARYL INSECTICIDE**

Version 3.0 / USA  
102000004253

1/12  
Revision Date: 08/08/2014  
Print Date: 08/08/2014

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Trade name** LESCO® SEVIN® SL CARBARYL INSECTICIDE

**Product code (UVP)** 05927226

**SDS Number** 102000004253

**EPA Registration No.** 432-1227-10404

**Relevant identified uses of the substance or mixture and uses advised against**

**Use** Insecticide

**Restrictions on use** See product label for restrictions.

**Information on manufacturer**

LESCO, Inc.  
1385 East 36th Street  
Cleveland, OH 44114  
United States

**Emergency telephone no.**

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577 (24 hours/

**Product Information Telephone Number** day) 1-800-347-4272

**SDS Information or Request** [www.lesco.com](http://www.lesco.com)

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification in accordance with regulation HCS 29CFR §1910.1200**

Acute toxicity (Oral): Category 4

Carcinogenicity : Category 2



**Signal word:** Warning

**Hazard statements**

Harmful if swallowed.

Suspected of causing cancer.

**Precautionary statements**

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
Rinse mouth.  
IF exposed or concerned: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**Other hazards**

This product contains an cholinesterase inhibitor.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Component Name	CAS-No.	Concentration % by weight
Carbaryl	63-25-2	43.00
Naphthalene and alkyl naphthalene sulphonic acids formaldehyde condensate, sodium salt	68425-94-5	1.10

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**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move 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 physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes., Bradycardia, Low blood pressure, Salivation, Bronchial hypersecretion, Vomiting, Diarrhoea, Sweating, Muscular fasciculation, Spasm, Breathing difficulties, Respiratory
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paralysis, Somnolence, Coma, Respiratory failure, Hypothermia,  
Convulsions, Nausea

**Indication of any immediate medical attention and special treatment needed**

**Risks**

This product is a cholinesterase inhibitor carbamate.

**Treatment**

Monitor: respiratory, cardiac and central nervous system. Monitor: blood picture. Monitor: red blood cell and plasma cholinesterase. ECG - monitoring (Electrocardiogram). Oxygen or artificial respiration if needed. Keep respiratory tract clear. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. The following antidote is generally accepted: atropine. Before antidote is administered, either clear symptoms of poisoning have to be present or the cholinesterase activity is inhibited to below 30% of normal. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. Contraindications: oximes (pralidoxime, obidoxime).

Do not use oximes such as 2-PAM unless organophosphate intoxication is suspected. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically. Contraindications: derivatives of morphine.

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**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing media**

**Suitable**

Water spray, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

**Unsuitable**

None known.

**Special hazards arising from the substance or mixture**

In the event of fire the following may be released:, Carbon monoxide (CO), Nitrogen oxides (NO<sub>x</sub>)

**Advice for firefighters**

**Special protective equipment for fire-fighters**

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**Further information**

Keep out of smoke. Fight fire from upwind position. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth. Do not allow run-off from fire fighting to enter drains or water courses.

**Flash point**

> 100 °C

**Autoignition temperature**

no data available

**Lower explosion limit**

2.6 %(V)

**Upper explosion limit**

19 %(V)

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**Explosivity** not applicable

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Precautions** Isolate hazard area. Keep people away from and upwind of spill/leak. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.

**Methods and materials for containment and cleaning up**

**Methods for cleaning up** Dike area to prevent runoff. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

Check also for any local site procedures.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Contaminated work clothing should not be allowed out of the workplace. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Carbaryl	63-25-2	0.5 mg/m3 (TWA)		OES BCS*
Carbaryl (Inhalable fraction and vapor.)	63-25-2	0.5 mg/m3 (TWA)	02 2012	ACGIH
Carbaryl	63-25-2	5 mg/m3 (REL)	2010	NIOSH
Carbaryl	63-25-2	5 mg/m3 (PEL)	02 2006	OSHA Z1
Carbaryl	63-25-2	5 mg/m3 (TWA)	1989	OSHA Z1A
Carbaryl	63-25-2	5 mg/m3 (TWA)	06 2008	TN OEL
Carbaryl	63-25-2	0.5ug/m3 (AN ESL)	07 2011	TX ESL
Carbaryl	63-25-2	5ug/m3 (ST ESL)	07 2011	TX ESL
Carbaryl	63-25-2	5 mg/m3 (TWA PEL)	08 2010	US CA OEL
Synthetic amorphous silica	112926-00-8	6 mg/m3 (REL)	2010	NIOSH
Synthetic amorphous silica	112926-00-8	6 mg/m3 (TWA)	1989	OSHA Z1A
Synthetic amorphous silica	112926-00-8	6 mg/m3 (TWA)	06 2008	TN OEL
Synthetic amorphous silica (Particulate.)	112926-00-8	2ug/m3 (AN ESL)	02 2013	TX ESL
Synthetic amorphous silica (Particulate.)	112926-00-8	27ug/m3 (ST ESL)	02 2013	TX ESL
Synthetic amorphous silica	112926-00-8	20millions of particles per cubic foot of air (TWA)	2000	Z3
Synthetic amorphous silica	112926-00-8	0.8 mg/m3 (TWA)	2000	Z3
1,2-Propanediol (Vapor.)	57-55-6	1000ug/m3 (ST ESL)	02 2013	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	50ppb (AN ESL)	02 2013	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	500ppb (ST ESL)	02 2013	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	100ug/m3 (AN ESL)	02 2013	TX ESL

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1,2-Propanediol (Aerosol.)	57-55-6	10 mg/m3 (TWA)	2010	WEEL
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\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**Exposure controls**

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

<b>Respiratory protection</b>	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>General protective measures</b>	Cholinesterase activity of the worker should be supervised. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry. Eye wash facility and safety shower should be available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	white to beige
<b>Physical State</b>	liquid suspension
<b>Odor</b>	mild
<b>Odour Threshold</b>	no data available
<b>pH</b>	4.0 - 5.0 at 100 %
<b>Vapor Pressure</b>	23.7 hPa / 17.8 mm Hg at 20 °C
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	1.10 g/cm <sup>3</sup> at 20 °C
<b>Evaporation rate</b>	not applicable
<b>Boiling Point</b>	98.8 °C / 209.84 °F
<b>Melting / Freezing Point</b>	-3 °C / 26.6 °F
<b>Water solubility</b>	miscible

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<b>Minimum Ignition Energy</b>	not applicable
<b>Decomposition temperature</b>	175 - 190 °C Exothermic decomposition.
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	500 - 700 mPa.s
<b>Flash point</b>	> 100 °C
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	2.6 %(V)
<b>Upper explosion limit</b>	19 %(V)
<b>Explosivity</b>	not applicable

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**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

<b>Thermal decomposition</b>	175 - 190 °C Exothermic decomposition.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong acids, Bases
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Exposure routes</b>	Ingestion, Inhalation, Skin contact, Eye contact
<b>Immediate Effects</b>	
<b>Eye</b>	Causes redness, irritation, tearing.
<b>Skin</b>	Harmful if absorbed through skin. May produce symptoms similar to those from ingestion.

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**Ingestion** Harmful if swallowed. This product causes reversible cholinesterase inhibition without long term effects. Repeated overexposure may cause more severe cholinesterase inhibition with more pronounced 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, and convulsions.

**Inhalation** Harmful if inhaled. May produce symptoms similar to those from ingestion.

**Information on toxicological effects**

**Acute oral toxicity** LD50 (rat) 699 mg/kg

**Acute inhalation toxicity** LC50 (male/female combined rat)  $\geq$  3.84 mg/l  
Exposure time: 4 h  
Determined in the form of liquid aerosol.  
Highest attainable concentration.

LC50 (male/female combined rat) 15.2 mg/l  
Exposure time: 1 h  
Extrapolated from the 4 hr LC50.  
Determined in the form of liquid aerosol.

**Acute dermal toxicity** LD50 (male/female combined rabbit) > 4,000 mg/kg

**Skin irritation** Slight irritation (rabbit)

**Eye irritation** Slight irritation (rabbit)

**Sensitisation** Non-sensitizing. (guinea pig)

**Assessment repeated dose toxicity**

Carbaryl caused reversible cholinesterase inhibition without long term effects in animal studies.

**Assessment Mutagenicity**

Carbaryl was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

**Assessment Carcinogenicity**

Carbaryl caused at high dose levels an increased incidence of tumours in the following organ(s): liver, thyroid, kidneys, cardio-vascular system. The mechanism that triggers tumours in rodents is not relevant for the low exposures encountered under normal use conditions.

**ACGIH**

Carbaryl 63-25-2 Group A4

**NTP**

None.

**IARC**

Carbaryl 63-25-2 Overall evaluation: 3

**OSHA**

None.



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**Assessment toxicity to reproduction**

Carbaryl did not cause reproductive toxicity in a two-generation study in rats.

**Assessment developmental toxicity**

Carbaryl did not cause developmental toxicity in rats and rabbits.

**Further information**

Acute toxicity studies have been bridged from a similar formulation(s).  
The non-acute information pertains to the active ingredient(s).

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**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity to fish** LC50 (Rainbow trout (*Oncorhynchus mykiss*)) 1.4 mg/l  
Exposure time: 96 h

**Toxicity to aquatic invertebrates** EC50 (Water flea (*Daphnia magna*)) 0.00067 mg/l  
Exposure time: 48 h

EC50 (*Mysidopsis bahia* (mysid shrimp)) 0.0088 mg/l  
Exposure time: 96 h

**Toxicity to aquatic plants** (*Selenastrum capricornutum*) 1.8 mg/l  
Exposure time: 96 h  
Test conducted with a similar formulation.

**Environmental precautions** Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.  
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.  
Do not apply when weather conditions favor runoff or drift.  
Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.  
Apply this product as specified on the label.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product** Do not contaminate water, food, or feed by disposal.  
Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.  
Follow container label instructions for disposal of wastes generated during use in compliance with the product label.

**Contaminated packaging** Triple rinse containers.  
Puncture container to avoid re-use.

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Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke.

**RCRA Information**

Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

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**SECTION 14: TRANSPORT INFORMATION**

**49CFR**

UN number	<b>3082</b>
Class	9
Packaging group	III
Marine pollutant	Marine pollutant
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CARBARYL)
RQ	Reportable Quantity is reached with 232 lb of product.

**IMDG**

UN number	<b>3082</b>
Class	9
Packaging group	III
Marine pollutant	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CARBARYL SOLUTION)

**IATA**

UN number	<b>3082</b>
Class	9
Packaging group	III
Environm. Hazardous Mark	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CARBARYL SOLUTION )

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

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**SECTION 15: REGULATORY INFORMATION**

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**EPA Registration No.** 432-1227-10404

**US Federal Regulations**

**TSCA list**

Carbaryl	63-25-2
Naphthalene and alkyl naphthalene sulphonic acids formaldehyde condensate, sodium salt	68425-94-5

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None.

**SARA Title III - Section 302 - Notification and Information**

None.

**SARA Title III - Section 313 - Toxic Chemical Release Reporting**

Carbaryl	63-25-2	25,000lbs
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**US States Regulatory Reporting**

**CA Prop65**

This product contains a chemical known to the State of California to cause cancer.

Carbaryl	63-25-2
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This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Carbaryl	63-25-2	Developmental toxin.
Carbaryl	63-25-2	Male reproductive toxin.

**US State Right-To-Know Ingredients**

Carbaryl	63-25-2	CA, CT, MN, NJ
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**Canadian Regulations**

**Canadian Domestic Substance List**

Naphthalene and alkyl naphthalene sulphonic acids formaldehyde condensate, sodium salt	68425-94-5
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**Environmental**

**CERCLA**

Carbaryl	63-25-2	100 lbs
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**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**International Regulations**

**European Inventory of Existing Commercial Substances (EINECS)**

Carbaryl	63-25-2
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**EPA/FIFRA Information:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

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**Signal word:** Caution!

**Hazard statements:** Harmful if swallowed, inhaled or absorbed through the skin.  
Harmful if gets in eyes.  
Avoid contact with skin, eyes and clothing.  
Avoid inhalation of vapour or mist.

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**SECTION 16: OTHER INFORMATION**

**NFPA 704 (National Fire Protection Association):**

Health - 2      Flammability - 1      Instability - 1      Others - none

**HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)**

Health - 1      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)

**Revision Date:** 08/08/2014

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