

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**Product Name: **Lebanon Sevin 7G Granular Insect Control**

EPA No: 264-429-961

Recommended use: This product is a granular insecticide for landscape use.**Supplier/Manufacturer**

Lebanon Seaboard Corporation

1600 East Cumberland Street

Lebanon PA 17042

Tel: (800) 233-0628 (717-273-1685)

Supplier Email: customerservice@lebsea.comEmergency telephone number

800-233-0628

Chemtrec 1-800-424-9300

Prosar 888-208-1368

2. HAZARDS IDENTIFICATION

OSHA Signal Word: Danger; EPA Signal Word: Caution!

Hazard Statements and Hazard Categories:

H301: Toxic if swallowed. (Category 3)

H320: Causes eye irritation. (Category 2B)

H332: Harmful if inhaled. (Category 4)

H351: Suspected of causing cancer.

Keep out of reach of children.



Pictograms:

Precautionary Statements for handling: See Section 7.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing dust or spray mist.

P264: Wash hands and exposed skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P281: Use appropriate personal protective equipment as required to avoid breathing dust.

P301, P310, P330: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P308: If exposed or concerned, seek medical advice.

P312: Call a poison center or doctor/physician if you feel unwell.

P305, P337, P351: If in eyes, rinse cautiously with water for several minutes. If eye irritation persists: Seek medical advice.

P340, 341: If inhaled and breathing difficulty occurs, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P405: Store locked up.

Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.**Hazards not otherwise classified (HNOC):** None

Unknown acute toxicity

<1% of the mixture consists of ingredients of unknown toxicity

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Carbaryl (1- naphthyl -N- methylcarbamate) / Sevin	63-25-2	7%
Corn cobs (Natural cellulose)	9004-34-6	87.71%
Synthetic amorphous silica	112926-00-8	0.15%
White Mineral Oil	8042-47-5	5%
Non hazardous inert ingredients.	Various	Balance

4. FIRST AID MEASURES

General advice When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

- Inhalation:** Move to fresh air and keep person at rest in a position comfortable for breathing. 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.
- Skin contact:** 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.
- Eye contact:** 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.
- Ingestion:** 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.

Self-protection of the first aider: Use any appropriate personal protective equipment as required to avoid breathing dust, and to avoid eye and skin contact.

Most important symptoms and effects, both acute and delayed:

- Symptoms:** Headache, temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes, abnormally slow heart action, Low blood pressure, Salivation, Bronchial hypersecretion, Vomiting, Diarrhea, Sweating, Muscular fasciculation (mild twitching), Spasm, Breathing difficulties, Respiratory paralysis, Sleepiness, 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: The product inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. 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.

Antidote: The following **antidote** is generally accepted: **atropine**.

Contraindications: Avoid any derivatives of morphine. (Also, do not use oximes such as 2-PAM unless organophosphate intoxication is suspected.)

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing media suitable to local circumstances and the surrounding environment. Options in this case include water, CO₂, ABC Dry Chemical extinguisher, or foam. Avoid stirring up dust with water stream.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire, do not breathe fumes.

Explosion data

Sensitivity to mechanical impact: None

Sensitivity to static discharge: None

Note: Excessive amounts of any burnable dusts can produce explosive mixtures if allowed to disperse in the air in confined areas where ignition sources occur. Prevent excessive dust dispersal in areas of use, storage, or production.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and standard protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal Precautions	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Use reasonable personal protective equipment as required to prevent contact with eyes or skin and to avoid breathing dust. Remove ignition sources prior to clean-up.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Do not allow to enter soil, waterways or waste water canal. See Section 12 for additional ecological information.
Methods for containment	Prevent further leakage or spillage, if safe to do so.
Methods for clean-up	Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Use reasonable personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up excess with inert absorbent material.

7. HANDLING AND STORAGE

Safe Handling	Obtain special instructions before use. Read and understand all safety instructions before use. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required to maintain safe exposure levels. 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. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.
Storage Conditions	Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, and away from fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.
Incompatible materials	Avoid strong acids or alkali, or other reactive substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
Carbaryl	0.5 mg/m ³ (TWA-Inhalable)	5 mg/m ³ (TWA)	5 mg/m ³ (TWA)
Synthetic amorphous silica	TLV withdrawn	TWA 20 mppcf (80 mg/m ³ /%SiO ₂)	6 mg/m ³ (TWA)
Nuisance Dusts	10 mg/m ³ (TWA)	15 mg/m ³ (TWA total) 50 mppcf (TWA total) 5 mppcf (TWA respirable)	Not Established

Other Information: Carbaryl: Minimize exposure during pregnancy (NIOSH)
Absorbed through skin (ACGIH)

Engineering controls: Use with adequate ventilation to prevent dust buildup in air.

Individual protection measures: Use appropriate personal protective equipment as required to avoid breathing dust.

- Eye protection Safety glasses with side shields, or goggles if eye contact is likely.
- Skin and Body Protection Chemical resistant gloves (e.g., nitrile rubber), long sleeve coveralls and socks.
- Respiratory Protection Dust mask recommended for dusty or misty conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
- General Hygiene When using product, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Granules
Color	Mixed, various
Odor	Slight
Odor Threshold	No information available
pH	Not applicable
Melting point/freezing point	Not applicable
Boiling point / boiling range	Not applicable
Flash point	No information available
Evaporation rate	Not applicable
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific Gravity	Not applicable
Water solubility	Mostly Insoluble in water, although some ingredients may dissolve.
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Oxidizing properties	Not an oxidizer

10. STABILITY AND REACTIVITY

Reactivity: Not particularly reactive.

Chemical stability: Stable.

Possibility of Hazardous Reactions: May release heat and fumes when mixed in solution with incompatible reactive materials.

Hazardous polymerization: Will not occur.

Conditions to avoid: High heat, sparks and open flames, as some ingredients may be burnable.

Incompatible materials: Strong acids or alkali, or other reactive substances.

Hazardous Decomposition Products

May emit toxic fumes under fire conditions, such as Nitrogen oxides (NO_x), Ammonia, Oxides of sulfur, Hydrogen chloride and Carbon monoxide, and traces of Methyl isocyanate. If burned, stay out of smoke.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Ingestion, eyes (contact), skin (contact), dust inhalation

Symptoms

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.

Skin: Harmful if absorbed through skin. May produce symptoms similar to those from ingestion.

Eye: Causes redness, irritation, tearing on contact.

Acute oral toxicity (Carbaryl)

- LD₅₀ (male rat) 283 mg/kg
- LD₅₀ (female rat) 246 mg/kg

Acute inhalation toxicity (Carbaryl)

- LC₅₀ (male/female combined rat) 2.5 mg/l; (4 hr) as Dust.
- LC₅₀ (male/female combined rat) 10.0 mg/l; (1 hr) as Dust. (Extrapolated from the 4 hr LC₅₀.)

Acute dermal toxicity (Carbaryl)

- LD₅₀ (rabbit) > 2,000 mg/kg

Skin Irritation	Carbaryl produced no skin irritation (rabbit)
Eye irritation:	Carbaryl produced minimal eye irritation (rabbit)
Sensitization	Carbaryl was Non-sensitizing. (guinea pig)
Germ cell mutagenicity	Carbaryl was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
Carcinogenicity	Carbaryl caused at high dose levels an increased incidence of tumors in the following organ(s): liver, thyroid, Kidney, cardio-vascular system. The mechanism that triggers tumors in rodents is not relevant for the low exposures encountered under normal use conditions. Carbaryl is classified as a carcinogen by the following agencies:

- ACGIH (Group A4)
- IARC (Class 3)

Amorphous silica is classified By IARC as a Class 3 carcinogen.

Reproductive toxicity	Carbaryl did not cause reproductive toxicity in a two-generation study in rats.
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Chronic toxicity	No information available
Target Organs	Liver, thyroid, Kidney, cardio-vascular system.
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION

Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released.

The herbicide ingredients are toxic to aquatic invertebrates. Use with care when applying to turf areas adjacent to any bodies of water. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent bodies of water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater.

Application around a cistern or well may result in contamination of groundwater or drinking water, particularly where soils are permeable and water table is shallow.

Persistence and degradability	No information available
Bioaccumulation	No information available
Other adverse effects	No information available

13. DISPOSAL CONSIDERATIONS

This material, as supplied is not a hazardous waste according to federal regulations (40 CFR 261).

Disposal of wastes: (Example)

- This product is a hazardous waste material.
- EPA Waste Numbers are applicable for this product's components.
- Dispose of in accordance with Local, State, and Federal regulations.

Contaminated packaging

US Federal: special packaging considerations for pesticide containers. If the container is empty, do not reuse it. Place it in the trash, unless the label specifies a different procedure. Follow local regulations.

14. TRANSPORT INFORMATION

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

DOT/IMDG/IATA

UN number:	2757
Class:	6.1
Packaging group:	III
Marine pollutant:	No
Proper shipping name:	CARBAMATE PESTICIDES, SOLID, TOXIC (CARBARYL)
RQ:	100 Lb (Reportable Quantity of carbaryl is reached with 1428 lb of this product.)

15. REGULATORY INFORMATION**US Federal Regulations**

TSCA list: Carbaryl 63-25-2

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 1.0%

US States Regulatory Reporting**CA Prop65**

This product contains a chemical known to the State of California to cause cancer. (Carbaryl 63-25-2)

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
- Synthetic amorphous silica 112926-00-8 MN

Canadian Regulations

Canadian Domestic Substance List: Synthetic amorphous silica (112926-00-8)

Environmental

CERCLA: Carbaryl 63-25-2 100 lbs (Reportable Quantity of carbaryl is reached with 1428 lb of this product.)

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

EPA/FIFRA Information:

This product 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:

Hazard statements:

- Harmful if swallowed.
- Do not take internally.
- Avoid breathing dust.
- Avoid contact with skin, eyes and clothing.
- Wash thoroughly with soap and water after handling.

16. OTHER INFORMATION

HMIS: Health - 2 Flammability - 1 Physical Hazard - 0

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

Disclaimer: The information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.