SAFETY DATA SHEET

GARDEN TECH® SEVIN® READY-TO-USE BUG KILLER

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

Product identifier
Trade name GARDEN TECH® SEVIN® READY-TO-USE BUG KILLER

EPA Registration No. 432-1211-71004

Relevant identified uses of the substance or mixture and uses advised against
Use Insecticide
Restrictions on use See product label for restrictions.
Information on supplier
Supplier TechPac, LLC.
1000 Parkwood Circle - Ste 700
Atlanta, GA 30339
United States
Telephone number 1-866-945-5033
Emergency telephone no.
Medical Emergency 1-800-420-9347
Transportation emergency 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200
Carcinogenicity: Category 2

Labelling in accordance with regulation HCS 29CFR §1910.1200

Signal word: Warning

Hazard statements
Suspected of causing cancer.

Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local regulation.

Hazards Not Otherwise Classified (HNOC)
No other hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS-No.</th>
<th>Concentration % by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbaryl</td>
<td>63-25-2</td>
<td>0.126</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Description of 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. 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
Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.

Eye contact
Hold eye open and rinse slowly and gently with water for 15-20 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.

Most important symptoms and effects, both acute and delayed

Symptoms
This product causes reversible cholinesterase inhibition without long term effects., Symptoms of Overexposure, Nausea, Vomiting, Diarrhoea, Abdominal pain, Salivation, Blurred vision, sweating, Respiratory disorder, Convulsions

Indication of any immediate medical attention and special treatment needed
Treatment

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. Before antidote is administered, either clear symptoms of poisoning have to be present or the cholinesterase activity is inhibited to below 30% of normal. The following antidote is generally accepted: atropine. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. Contraindications: oximes (pralidoxime, obidoxime).

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable Carbon dioxide (CO2), Alcohol-resistant foam, Water spray
Unsuitable None known.

Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for firefighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Keep out of smoke. Fight fire from upwind position. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point The product is not flammable.

Auto-ignition temperature No data available
Lower explosion limit No data available
Upper explosion limit No data available
Explosivity Not applicable
SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions
Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up
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.

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.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use only in area provided with appropriate exhaust ventilation. Maintain exposure levels below the exposure limit through the use of general and local 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. 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 original container and out of the reach of children, preferably in a locked storage area.
Protect from freezing.

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
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<tbody>
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<td>0.5 mg/m³ (TWA)</td>
<td>02 2012</td>
<td>ACGIH</td>
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</table>
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vapor.)

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Concentration</th>
<th>Date</th>
<th>Organization</th>
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<td>63-25-2</td>
<td>5 mg/m3 (REL)</td>
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<td>Carbaryl</td>
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<td>TN OEL</td>
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<tr>
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<td>03 2014</td>
<td>TX ESL</td>
</tr>
<tr>
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<td>TX ESL</td>
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<td>US CA OEL</td>
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<td>OES BCS*</td>
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</tbody>
</table>

*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.

Respiratory protection

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.

Hand protection

Chemical resistant nitrile rubber gloves

Eye protection

Safety glasses with side-shields

Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.

General protective measures

Do not allow children or pets to enter the treated area until it has dried.
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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
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<tr>
<td>Physical State</td>
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<td>3 - 4 at 100 %</td>
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<tr>
<td>Property</td>
<td>Value</td>
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<tr>
<td>-------------------------------------------</td>
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<td>Boiling Point</td>
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<tr>
<td>Melting / Freezing Point</td>
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<tr>
<td>Water solubility</td>
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<td>Minimum Ignition Energy</td>
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<td>Decomposition temperature</td>
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<td>Partition coefficient: n-octanol/water</td>
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<td>Viscosity</td>
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<td>Flash point</td>
<td>The product is not flammable.</td>
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<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
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<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosivity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**
- **Thermal decomposition**: 140 °C

**Chemical stability**: Stable under normal conditions.

**Possibility of hazardous reactions**: No dangerous reaction known under conditions of normal use.

**Conditions to avoid**: freezing
- Extremes of temperature and direct sunlight.

**Incompatible materials**: Bases, Strong acids

**Hazardous decomposition products**: No decomposition products expected under normal conditions of use.
Exposure routes
Ingestion, Inhalation, Eye contact, Skin contact

Immediate Effects
Eye
May cause eye irritation.

Skin
May cause slight irritation.

Ingestion
Harmful if swallowed.

Inhalation
Harmful if inhaled.

Information on toxicological effects

Acute oral toxicity
LD50 (male Rat) 3,310 mg/kg
LD50 (female Rat) 2,330 mg/kg
LD50 (male/female combined Rat) 3,240 mg/kg

Acute inhalation toxicity
LC50 (Rat) > 4.9 mg/l
Exposure time: 4 h
Determined in the form of dust.
No deaths

Acute dermal toxicity
LD50 (Rabbit) > 2,000 mg/kg

Skin irritation
No skin irritation (Rabbit)

Eye irritation
Mild eye 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, Kidney, 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.

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).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish
- LC50 (Oncorhynchus mykiss (rainbow trout)) 3.3 mg/l
  - Exposure time: 96 h
  - The value mentioned relates to the active ingredient carbaryl.

Toxicity to aquatic invertebrates
- EC50 (Daphnia magna (Water flea)) 0.0164 mg/l
  - Exposure time: 48 h
  - The value mentioned relates to the active ingredient carbaryl.

Toxicity to aquatic plants
- EC50 (Raphidocelis subcapitata (freshwater green alga)) 1.75 mg/l
  - Growth rate; Exposure time: 72 h
  - The value mentioned relates to the active ingredient carbaryl.

Biodegradability
Carbaryl: rapidly biodegradable

Koc
Carbaryl: Koc: 624

Bioaccumulation
Carbaryl: Bioconcentration factor (BCF) 44
Does not bioaccumulate.

Mobility in soil
Carbaryl: Slightly mobile in soils

Environmental precautions
- Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.
- Do not allow to get into surface water, drains and ground water.
- 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 apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Product
It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.
Never place unused product down any indoor or outdoor drain.

Contaminated packaging
Do not re-use empty containers.
Place empty container in trash.
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.

SECTION 14: TRANSPORT INFORMATION

49CFR
UN number 3082
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 7,936 lb of product.

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

IATA
UN number 3082
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.

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 432-1211-71004
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
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None.

SARA Title III - Section 313 - Toxic Chemical Release Reporting
Carbaryl  63-25-2  25,000lbs

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

US State Right-To-Know Ingredients
Carbaryl  63-25-2  CA, CT, IL, MN, NJ, RI

Canadian Regulations
Canadian Domestic Substance List
None.

Environmental
CERCLA
Carbaryl  63-25-2

Clean Water Section 307 Priority Pollutants
None.

Safe Drinking Water Act Maximum Contaminant Levels
None.

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:
Signal word: Caution!

Hazard statements:
Harmful by inhalation and if swallowed.
Avoid breathing spray mist.
Avoid contact with skin, eyes and clothing.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms
49CFR       Code of Federal Regulations, Title 49
ACGIH      US. ACGIH Threshold Limit Values
ATE        Acute toxicity estimate (ATE)
CAS-Nr.    Chemical Abstracts Service number
CERCLA    Comprehensive Environmental Response, Compensation, and Liability Act
EINECS    European inventory of existing commercial substances
ELINCS European list of notified chemical substances
IARC US. IARC Monographs on Occupational Exposures to Chemical Agents
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
N.O.S. Not otherwise specified
NTP US. National Toxicology Program (NTP) Report on Carcinogens
OECD Organization for Economic Co-operation and Development
TDG Transportation of Dangerous Goods
TWA Time weighted average
UN United Nations
WHO World health organisation

**NFPA 704 (National Fire Protection Association):**
- Health - 1
- Flammability - 0
- Instability - 1
- Others - none

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

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

**Reason for Revision:** The following sections have been revised: Section 2: Hazards Identification.

**Revision Date:** 05/19/2016

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.