

Safety Data Sheet

GARDENTECH® SEVIN® READY-TO-SPRAY BUG KILLER

January 2015

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

Product identifier

Trade name GARDENTECH® SEVIN® READY-TO-SPRAY BUG KILLER

EPA Reg. No. 264-334-71004

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

Use Insecticide

Restrictions on use See product label for restrictions.

Information on manufacturer

TechPac, LLC.
1000 Parkwood Circle
Suite 700
Atlanta, GA 30339

Emergency telephone no.

Emergency Telephone Number (24hr/ 7 days) 1-800-420-9347

Product Information Telephone Number 1-866-945-5033

SDS Information or Request 1-866-945-5033

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200

Carcinogenicity : Category 2

Acute toxicity (Inhalation): Category 3

Acute toxicity (Oral): Category 4



Signal word: Danger

Hazard statements

Toxic if inhaled.

Suspected of causing cancer.

Harmful if swallowed.

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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.
Most important symptoms and effects, both acute and delayed	
Symptoms	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 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	<p>The product inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves.</p> <p>The following antidote is generally accepted: atropine.</p> <p>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.</p>

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media	
Suitable	Water spray, Foam, Carbon dioxide (CO ₂), Dry powder
Unsuitable	None known.
Special hazards arising from the substance or mixture	In the event of fire the following may be released:, Nitrogen oxides (NO _x), Carbon monoxide (CO)
Advice for firefighters	
Special protective equipment for fire-fighters	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
Further information	Evacuate personnel to safe areas. Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
Flash point	> 93.4 °C

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Carbaryl (Inhalable fraction and vapor.)	63-25-2	0.5 mg/m ³ (TWA)	02 2012	ACGIH
Carbaryl	63-25-2	5 mg/m ³ (REL)	2010	NIOSH
Carbaryl	63-25-2	5 mg/m ³ (PEL)	02 2006	OSHA Z1
Carbaryl	63-25-2	5 mg/m ³ (TWA)	1989	OSHA Z1A
Carbaryl	63-25-2	5 mg/m ³ (TWA)	06 2008	TN OEL
Carbaryl	63-25-2	5ug/m ³ (ST ESL)	07 2011	TX ESL
Carbaryl	63-25-2	0.5ug/m ³ (AN ESL)	07 2011	TX ESL
Carbaryl	63-25-2	5 mg/m ³ (TWA PEL)	08 2010	US CA OEL
Carbaryl	63-25-2	0.5 mg/m ³ (TWA)		OES BCS*
1,2-Propanediol (Vapor.)	57-55-6	1000ug/m ³ (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/m ³ (AN ESL)	02 2013	TX ESL
1,2-Propanediol (Aerosol.)	57-55-6	10 mg/m ³ (TWA)	2010	WEEL
Synthetic amorphous silica	112926-00-8	6 mg/m ³ (REL)	2010	NIOSH
Synthetic amorphous silica	112926-00-8	6 mg/m ³ (TWA)	1989	OSHA Z1A
Synthetic amorphous silica	112926-00-8	6 mg/m ³ (TWA)	06 2008	TN OEL
Synthetic amorphous silica (Particulate.)	112926-00-8	2ug/m ³ (AN ESL)	02 2013	TX ESL
Synthetic amorphous silica (Particulate.)	112926-00-8	27ug/m ³ (ST ESL)	02 2013	TX ESL

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Evapouration rate	no data available
Boiling Point	no data available
Melting / Freezing Point	no data available
Water solubility	miscible
Minimum Ignition Energy	not applicable
Decomposition temperature	no data available
Partition coefficient: n-octanol/water	no data available
Viscosity	500 - 700 cps
Flash point	> 93.4 °C
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Explosivity	not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Thermal decomposition	no data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
Conditions to avoid	Heat, flames and sparks. Elevated temperatures
Incompatible materials	no data available
Hazardous decomposition products	Nitrogen oxides (NOx) Carbon oxides Methyl isocyanate (trace; no adverse effects expected)

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes	Ingestion, Inhalation, Skin Absorption, Eye contact
Immediate Effects Eye	Causes redness, irritation, tearing. Moderate eye irritation.

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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

Only acute toxicity studies have been performed on the formulated product.
The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (<i>Oncorhynchus mykiss</i> (rainbow trout)) 3.3 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient carbaryl.
Toxicity to aquatic invertebrates	EC50 (<i>Daphnia magna</i> (Water flea)) 0.0164 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient carbaryl.
Toxicity to aquatic plants	EC50 (<i>Pseudokirchneriella subcapitata</i>) 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 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. Drift or runoff from treated areas may adversely affect non-target plants. Apply this product as specified on the label. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Inform appropriate authorities immediately if contamination occurs.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA list

Carbaryl	63-25-2
1,2-Propanediol	57-55-6
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	1.0%
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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, IL, MN, NJ, RI
1,2-Propanediol	57-55-6	MN

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.

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