

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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SureKill® SK100

Revision 0
Revision date 2018-10-08

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	SureKill® SK100
Product code	1796500

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Liquid insecticide.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Chem-Tech Ltd. 1006 Business Highway 5 Pleasantville, IA 50225 U.S.A.
Hotline(s):	Chem-Tech Ltd. is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms



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2.2. Label elements

Signal Word	Danger
Hazard Statement	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P331 - Do NOT induce vomiting. P391 - Collect spillage.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Distillates (petroleum), hydrotreated light.		64742-47-8			80 - 90%	Asp. Tox. 1: H304; STOT SE 3: H336;
n-Octyl bicycloheptene dicarboximide		113-48-4	204-029-1		1 - 10%	Acute Tox. 3: H311;
Piperonyl butoxide		51-03-6	200-076-7		1 - 10%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Pyrethrins (Pyrethrum)		8003-34-7			0.5 - 1%	Acute Tox. 4: H302+H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

Further information

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. DO NOT DRINK WATER. Do not administer anything by mouth.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

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	Burning produces irritating, toxic and obnoxious fumes. Do not allow runoff water to enter sewers or drains.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any water-proof material.
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6.2. Environmental precautions

	Insoluble in water. Do not flush into surface water. Do not empty into drains.
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6.3. Methods and material for containment and cleaning up

	Absorb spillage to prevent material damage. Clean area thoroughly with detergent.
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6.4. Reference to other sections

	See section 2, 8, and 13 for further information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure adequate ventilation of the working area. All handlers (including applicators) must wear long-sleeved shirt and long pants, and shoes plus socks. Wear suitable gloves. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep away from food, drink and animal feed and/ or feed products. Keep away from sources of ignition - No smoking. Keep only in the original container in a cool, well-ventilated place away from children and pets.
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7.3. Specific end use(s)

	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limit Values**


Pyrethrins (Pyrethrum)	ACGIH TLV TWA: 5 mg/m ³	ACGIH TLV STEL: -
	Notations: A4	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 5	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls

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8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Hand protection	Wear: Chemical resistant gloves. Wash hands after handling the product.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear/Yellow
Odor	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	82.2 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.804 (H ₂ O = 1 @ 20 °C)
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

9.2. Other information

VOC (Volatile organic compounds)	No data available
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid sparks, flames, heat and sources of ignition.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

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10.3. Possibility of hazardous reactions

Keep away from combustible material.

10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition. Keep in a cool place away from children and pets.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	May be harmful by ingestion, inhalation or if absorbed through the skin.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

Pyrethrins	Oral Rat LD50: 87 mg/kg	Inhalation Rat LC50/4 h: 0.6 mg/l
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SECTION 12: Ecological information

12.1. Toxicity

Pyrethrins	Daphnia EC50/48h: 0.216000 mg/l Rainbow trout LC50/96h: 0.244 mg/l	Algae EC50/72h: 4.9 mg/l
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12.2. Persistence and degradability

Insoluble in water.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

SureKill® SK100 No data available

12.6. Other adverse effects

May cause long-term adverse effects in the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods


Do not contaminate water by cleaning of equipment or disposal of wastes. Dispose of contents/container to an approved waste disposal facility. Follow label instructions.

SECTION 14: Transport information

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Hazard pictograms

	
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14.1. UN number

	UN2902
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14.2. UN proper shipping name

	PESTICIDE, LIQUID, TOXIC, N.O.S. (Pyrethrins)
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14.3. Transport hazard class(es)

DOT	6.1
Subsidiary risk	-
IMDG	6.1
Subsidiary risk	-
IATA	6.1
Subsidiary risk	-

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

DOT

Hazard ID	60
Tunnel Category	(E)

IMDG

EmS Code	F-A S-A
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IATA

Packing Instruction (Cargo)	663
Maximum quantity	220 L
Packing Instruction (Passenger)	655
Maximum quantity	60 L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List:</p>
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	<p>Pyrethrins, Piperonyl butoxide</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Pyrethrins and pyrethroids, Piperonyl butoxide.</p> <p>Rhode Island Right-to-Know Hazardous Substance List:Pyrethrins, Piperonyl butoxide.</p>
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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Pyrethrins	N	N	N	N	N	N	Y	N	N

Further information

FIFRA	This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
FIFRA Signal Word	CAUTION.
FIFRA Warning	Hazards to humans and domestic animals. Harmful if absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SECTION 16: Other information

Other information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
Text of Hazard Statements in Section 3	<p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>Acute Tox. 3: H311 - Toxic in contact with skin.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> <p>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled</p>