



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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SureKill® Advanced Insecticide Products VAP-5™

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® Advanced Insecticide Products VAP-5™
Product code	0744010, 0746010

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. Restricted use.

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	Flam. Liq. 3: H226; Acute Tox. 4: H302; Asp. Tox. 1: H304; Skin Sens. 1: H317; Aquatic Acute 1: H400;
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2.2. Label elements

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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H302 - Harmful if swallowed. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Acute 1: H400 - Very toxic to aquatic life.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting// equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/ . P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P321 - Specific treatment (see on this label). P330 - Rinse mouth. P331 - Do NOT induce vomiting. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P370+P378 - In case of fire: Use to extinguish. P391 - Collect spillage.
Precautionary Statement: Storage	P403+P235 - Store in a well-ventilated place. Keep cool. 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
Kerosine - unspecified - distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8		90 - 100%	Asp. Tox. 1: H304;
Dichlorvos (ISO) (Dichlorvos (DDVP))	015-019-00-X	62-73-7	200-547-7		1 - 10%	Acute Tox. 2: H330; Acute Tox. 3: H311; Acute Tox. 3: H301; Skin Sens. 1: H317; Aquatic Acute 1: H400;

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Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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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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5.2. Special hazards arising from the substance or mixture

	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. Wear eye/face protection. Wear suitable respiratory equipment when necessary.
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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.

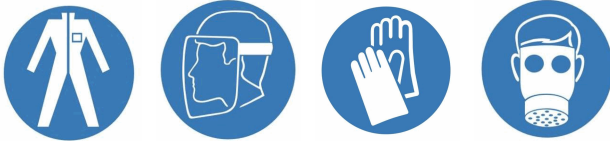
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

Dichlorvos (ISO) (Dichlorvos (DDVP))	ACGIH TLV TWA: 0.1 mg/m ³ (IFV)	ACGIH TLV STEL: -
	Notations: Skin; SEN; A4; BEI A	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 1	Skin Designation: X
	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

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Eye / face protection	Wear eye/face protection.
Skin protection - Hand protection	Wear:.. Chemical resistant gloves. Wash hands after handling the product.
Respiratory protection	Wear suitable respiratory equipment when necessary.
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

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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	44.4 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.81 (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

	Keep away from combustible material.
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10.4. Conditions to avoid

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

	Keep away from food, drink and animal feed and/ or feed products.
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10.6. Hazardous decomposition products

	Carbon oxides.
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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.

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11.1. Information on toxicological effects

Reproductive toxicity Repeated or prolonged exposure	Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
	No teratogenic effects reported.
	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

Dichlorvos (ISO)	Dermal Rat LD50: 107 male/75 female Inhalation Rat LC50/4 h: 199	Oral Rat LD50: 80 male/56 female
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SECTION 12: Ecological information

12.2. Persistence and degradability

	Insoluble in water.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	SureKill® Advanced Insecticide Products VAP-5™ No data available	Dichlorvos (ISO) 3.84 log P
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12.6. Other adverse effects

	May cause long-term adverse effects in the environment.
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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.
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SECTION 14: Transport information

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. (Dichlorvos)
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14.3. Transport hazard class(es)

DOT	6.1
Subsidiary risk	-
IMDG	6.1
Subsidiary risk	-

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14.3. Transport hazard class(es)

IATA	6.1
Subsidiary risk	-

14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

DOT

Hazard ID	60
Tunnel Category	(D/E)

IMDG

EmS Code	F-A S-A
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IATA

Packing Instruction (Cargo)	662
Maximum quantity	60 L
Packing Instruction (Passenger)	654
Maximum quantity	5 L

SECTION 15: Regulatory information

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

Regulations	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
	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.
	US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Dichlorvos (DDVP)
	Pennsylvania Right-to-Know Hazardous Substance List: Dichlorvos (DDVP).
	Rhode Island Right-to-Know Hazardous Substance List: Dichlorvos (DDVP).
	California Prop 65: WARNING: Cancer - www.P65Warnings.ca.gov .

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Kerosine - unspecified - distillates (petroleum), hydrotreated light (Distillates (petroleum), hydrotreated light)	Y	N	N	N	N	N	N	N	N
Dichlorvos (ISO) (Phosphoric acid, 2,2-dichloroethenyl dimethyl ester)	Y	Y	Y 0.1	Y	N	Y	Y	Y 1,000	Y 10

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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	DANGER.
FIFRA Warning	Hazards to humans and domestic animals. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. Avoid contact with eyes and skin.

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. Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 3: H311 - Toxic in contact with skin. Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 2: H330 - Fatal if inhaled. Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>