

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Hot Shot® No-Pest Strip₂

Other Means of Identification:

Product Code	HG-5580; HG-96554
Formula Number	21-0553
EPA Reg. Number	5481-532-8845

Recommended Use: Pesticide

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name	Spectrum Group, Division of United Industries Corporation
Address	PO Box 142642, St. Louis, MO 63114-0642
Telephone Number	1-800-917-5431

Emergency Telephone Number:

CHEMTREC	(800)424-9300
Medical	(866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s)	Not classified as a Physical Hazard
Health Hazard(s)	Acute Oral Toxicity - Category 4 Acute Inhalation Toxicity - Category 4 Skin Irritation - Category 2 Eye Irritation - Category 2B Skin Sensitization - Category 1 Carcinogenicity - Category 2

Label Elements:

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

Harmful if swallowed
Harmful if inhaled
Causes skin irritation
Causes eye irritation
May cause an allergic skin reaction
Suspected of causing cancer

Precautionary Statements:

Wash hands thoroughly after handling. Wear protective gloves. Do not eat, drink or smoke when using this product.
Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
If swallowed: Immediately call a poison center or doctor. Rinse mouth.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
If exposed or concerned: Get medical advice or attention.
Store locked up.
Dispose of contents in accordance with all local, state or provincial and federal regulations. For more information see product label.

Hazard(s) not Otherwise Classified (HNOC): No additional information available
Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Dichlorvos (2,2-dichlorovinyl dimethyl phosphate)	n/a	62-73-7	18.6

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance.

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye Contact: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. Get medical advice or attention if you feel unwell.

Most Important Symptoms/Effects, Acute and Delayed: This product is a Cholinesterase Inhibitor. Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. these include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia. Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive

salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin.

Indication of Immediate Medical Attention & Special Treatment Needed:

This product contains an Organophosphate (OP) Insecticide. However, it is the opinion of the manufacturer/supplier, and their Occupational medical consultant, that any significant exposure to this OP insecticide is highly unlikely. Based upon the formulation of the pest strip the individual's contact with the OP is extremely limited by design. Therefore the examining physician should exercise prudent judgment in determining the causation of the patient's symptoms - taking care to not overlook multiple other etiologies of the patient's symptoms. Contact a local or national poison control center for more information. If it is established that OP poisoning has occurred, the following steps are recommended. Establish airway and oxygenation. IV Atropine sulfate is the antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minutes intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion, in 250 cc of saline over a 15 to 20 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. Avoid morphine, aminophylline, phenothiazine, reserpine, furosemide and ethacrynic acid. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been attained as determined by a blood test. Bathe and shampoo contaminated skin and hair. If ingested, empty stomach; activated charcoal is useful to further to further limit absorption. If victim is alert, Syrup of Ipecac (2 tablespoons in adults, 1 tablespoon in small children) is indicated. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

**Unsuitable Extinguishing Media:
Specific Hazards Arising from
the Chemical:**

None known.
During fire, gases hazardous to health may be formed. Hydrogen chloride, carbon oxides and unidentified organic compounds may be formed when it is heated excessively or burned.

**Special Protective Equipment
and Precautions for Firefighters:
Fire fighting equipment/
instructions:**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Evacuate area. Use water spray to cool unopened containers.
Water runoff can cause environmental damage. Dike and collect extinguishing water.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill or leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the Pick up strips for reuse or disposal. Wash thoroughly with soap and water after handling the strip. For waste disposal, see section 13 of the SDS.

Methods and Materials for Containment and Cleaning Up:

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Read label before use. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment.

Conditions for Safe Storage, Including any Incompatibilities: Store in original sealed package until use. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children. Keep away from food, drink and animal feedstuffs.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Dichlorvos	-	1	-	TWA 0.1 Inhalable fraction and vapor	-	-

Appropriate Engineering Controls: General ventilation normally adequate. Applicable for industrial settings only: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below

recommended exposure limits.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection:	Not normally needed. If contact is likely, safety glasses with side shields are recommended.
Skin and body protection:	Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. Nitrile, butyl rubber or neoprene gloves are recommended.
Respiratory protection:	No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General hygiene considerations:	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Solid, rectangular, yellow or blue plastic strip
Odor:	Mild chemical odor
Odor Threshold:	No data available
pH:	No data available
Melting / Freezing Point:	No data available
Initial boiling point and range:	No data available
Flashpoint:	No data available
Evaporation Rate:	10-100 mg/day of DDVP
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	1.00E-02 mm HG (DDVP)
Vapor density:	Heavier than air
Relative density:	1.260
Solubility(ies):	Negligible
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous	No dangerous reaction known under conditions of normal use.

reactions:

Conditions to avoid: Contact with incompatible materials.

Incompatible materials: Strong acids. Oxidizing agents. Strong bases.

Hazardous decomposition products: No hazardous decomposition products are known. This product may emit hazardous fumes of hydrogen chloride, carbon oxides, and unidentified organic compounds when it is heated excessively or burned. WEAR SELF-CONTAINED BREATHING APPARATUS when these conditions are present.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:

Inhalation: Harmful if inhaled.
 Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.
 Skin contact: Causes skin irritation. May cause an allergic skin reaction. Symptoms may include redness, drying, defatting and cracking of the skin.
 Eye contact: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms related to the physical, chemical and toxicological characteristics: This product is a Cholinesterase Inhibitor. Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. These include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia. Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
382 mg/kg female rat 679 mg/kg male rate	27400 mg/kg	>2 mg/l

Eye Contact: Causes eye irritation.
Skin Contact: Causes skin irritation.
Sensitization: May cause an allergic skin reaction.

Chronic Effects-Carcinogenicity:

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
Dichlorvos (CAS 62-73-7)	IARC - 2B Possible carcinogenic to humans

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Not likely, due to the form of the product.
Chronic effects:	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Very toxic to aquatic life. This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters or wastes.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

Section 13 - DISPOSAL CONSIDERATIONS

Disposal instructions:	Dispose of product and packaging in the trash. Wrap the strip in paper and place in a sealed plastic bag before putting it in the trash.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Hazardous waste code:	Not applicable.
Waste from residues/unused products:	Unused products can typically be disposed in the trash. Dispose of in accordance with all applicable regulations.
Contaminated packaging:	As a household waste, the spent strip should be wrapped in paper, placed in a sealed plastic bag, and put into the trash. If large numbers of strips are to be discarded the local authorities or the EPA should be contacted to find out the current regulations. The empty package can be placed in the trash.

Section 14 - TRANSPORTATION INFORMATION

DOT:	UN Number:	UN3077
	Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.
	Technical Name:	Dichlorvos
	Hazard Class:	9
	Packing Group:	III
	Limited Quantity:	≤5L
IATA:	Marine Pollutant:	Yes
	UN Number:	UN3077
	Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.
	Technical Name:	Dichlorvos
	Hazard Class:	9
	Packing Group:	III
Limited Quantity:	≤5L	

	Marine Pollutant:	Yes
IMDG:	UN Number:	UN3077
	Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.
	Technical Name:	Dichlorvos
	Hazard Class:	9
	Packing Group:	III
	Limited Quantity:	≤5L
	Marine Pollutant:	Yes

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 5481-532-8845

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the 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 as required on the pesticide label:

EPA Pesticide Label

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Do not get in mouth. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes or clothing. After prolonged storage, a small amount of liquid may form on strip. Do not get liquid in eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Do not use in hospitals or clinic rooms, such as patient rooms, wards, nurseries, operating or emergency areas. Do not use in kitchens, restaurants or areas where food is prepared or served. Do not use in homes except for garages, attics, crawl spaces, and sheds occupied by people for less than 4 hours per day. Not to be taken internally by humans or animals.

FIRST AID: If Swallowed: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person. **If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further treatment advice. **If in Eyes:** 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 Poison Control Center or doctor for treatment advice. **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. **POISONING SYMPTOMS:** This product is a cholinesterase inhibitor. Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

TREATMENT: Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, atropine sulfate should be injected at 10-minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. 2-PAM is also antidotal and may be administered in conjunction with atropine. Clear chest by postural drainage. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. In case of emergency, call 1-800-917-5431.

STORAGE AND DISPOSAL: Storage: Do not contaminate water, food or feed by storage or disposal. Do not open or remove from package before ready to install. Store in cool, dry place. **Foil Pouch:** Do not open or remove from package before ready to use. **Disposal: If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. **Outer Container:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or dispose of the empty container in trash.

EPA TSCA Inventory: All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

CERCLA Section 103: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name & CAS Number	Chemical RQ (lbs)	Concentration in Product	Product RQ (lbs)
Dichlorvos 62-73-7	10	18.60%	53

SARA 304 Emergency release notification: Dichlorvos (CAS 62-73-7) Listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard categories: Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance:

Chemical Name	CAS Number	Reportable Quantity (lb)	Threshold planning quantity (lb)
Dichlorvos	62-73-7	10	1,000

SARA Hazard Category (311/312): Yes

SARA 313:

Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Threshold Value %
Dichlorvos	62-73-7	0.1

Other Federal Regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Dichlorvos (CAS 62-73-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not Regulated

Safe Drinking Water Act (SDWA)

Not Regulated

US State Regulations:

US California Controlled Substance. CA Department of Justice (California Health and Safety Code Section 11100)

Not Listed

US Massachusetts RTK - Substance List

Dichlorvos (CAS 62-73-7)

US New Jersey Worker and Community Right-to-Know Act

Dichlorvos (CAS 62-73-7)

US Pennsylvania Worker and Community Right-to-Know Law

Dichlorvos (CAS 62-73-7)

US Rhode Island RTK

Dichlorvos (CAS 62-73-7)

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

WARNING: This product contains a chemical known to the State of California to cause cancer.
Dichlorvos (CAS 62-73-7)

Disclaimer:

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Section 16 - OTHER INFORMATION

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