

Safety Data Sheet

Doktor Doom Tick Killer Plus For Yards & Buildings II Trigger Spray 1 L



1. Identification

Product identifier	Doktor Doom Tick Killer Plus For Yards & Buildings II Trigger Spray 1 L
Product code	99703
Registration number	34405
Other means of identification	
Recommended use of the chemical and restrictions on use	Insecticide. Not recommended for any other use not detailed on product data sheet or label.
Manufactured for	Ultrasol Industries 10755- 69 Ave NW Edmonton, AB T6H 2C9 780-432-6535
Emergency phone number	In Canada: Call CANUTEC (613) 996-6666 In The United States: Call CHEMTREC (800)424-9300.

2. Hazard identification

Summary	This product is not regulated according to the Canadian Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) SOR/2015-17 (or WHMIS 2015). KEEP OUT OF REACH OF CHILDREN. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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WHMIS 2015/GHS/OSHA HCS 2012



Not Regulated under WHMIS 2015 Skin sensitizer (Category 1)

WARNING

H317: May cause an allergic skin reaction
P261: Avoid breathing vapours and spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves, protective clothing and eye protection.
P302+352: IF ON SKIN: Wash with plenty of water and soap.
P333+313: If skin irritation or a rash occurs: Get medical advice or attention.
P362+364: Take off contaminated clothing and wash before reuse.

P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Permethrin	52645-53-1	0.05-30 %

Note: The manufacturer withholds the actual concentration range of the ingredient as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. If a problem develops or persists, seek medical attention or contact a Poison Centre.
Other	No additional information.
Symptoms	Direct contact with eyes may cause temporary irritation. May cause an allergic reaction of the skin.
Notes to the physician	Apply a symptomatic and supportive treatment.

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire.
Specific hazards arising from the chemical	No additional information.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask.
Special protective actions for fire-fighters	No additional information.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent product from entering drains and release to the environment.
Methods and materials for containment and cleaning up	Ventilate the area well. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning by rinsing with water contaminated surface.

7. Handling and storage

Precautions for safe handling	Use in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the
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	task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Keep away from food and drink. Keep away from direct sunlight and heat. Keep away from freezing.
Storage temperature	4 to 50°C (39.2 to 122°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.
Appropriate engineering controls	Provide sufficient mechanical (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits.
Individual protection measures	
Eye	In the workplace, wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles.
Hands	In case of prolonged contact wear neoprene or nitrile gloves. Disposable nitrile gloves can also be used, but discard after single use.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code.
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.
Feet	Not required in normal use.



Safety glasses

9. Physical and chemical properties

Physical state	Liquid	Flammability	Non-flammable
Colour	Milky white	Flammability limits	N/Av.
Odour	Neutral	Flash point	N/Av.
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.
pH	6.0 to 7.0	Sensibility to electrostatic charges	N/Av.
Melting point	0°C (32°F)	Sensibility to sparks and/or friction	N/Av.
Freezing point	0°C (32°F)	Vapour density	N/Av. (Air = 1)
Boiling point	N/Av.	Relative density	N/Av. (Water = 1)
Solubility	Soluble in water.	Partition coefficient n-octanol/water	N/Av.

Evaporation rate	N/Av.	Decomposition temperature	N/Av.
Vapour pressure	N/Av.	Viscosity	N/Av.
Percent Wt. Volatile	N/Av.	Molecular mass	N/Av.
VOC (g/L)	N/Av.	% Volume Volatile (VOC)	N/Av.
VOC (lb/gal)	N/Av.	% Wt. Volatile (VOC)	N/Av.
N/Av.: Not Available N/Av.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No reactivity expected.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	None reported.
Incompatible materials	No material is listed.
Hazardous decomposition products	No decomposition product.

11. Toxicological information

Numerical measures of toxicity	Permethrin Ingestion	806 mg/kg	Rat	LD50
	Inhalation	2.3 mg/l/4h	Rat	LC50
		0.485 mg/l/4h	Rat	LC50
	Skin	>2000 mg/kg	Rabbit	LD50
Likely routes of exposure	Skin, eyes, inhalation.			
Delayed, immediate and chronic effects	Eye contact	Direct contact with eyes may cause temporary irritation.		
	Skin contact	Prolonged and repeated contact may cause redness and slight irritation of the skin.		
	Inhalation	No negative effects expected.		
	Ingestion	Low degree of acute toxicity.		
	Respiratory or skin sensitization	May cause an allergic reaction of the skin. Permethrin (CAS no 52645-53-1) is a possible skin sensitizer in animals and humans. It can cause dermatitis which may be allergic in nature. Persons with pre-existing skin disorders may be more susceptible to the effects of this agent. This product is not a respiratory sensitizer.		
	IARC/NTP Classification	No ingredients listed.		
	Carcinogenicity	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.		
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.		
	Reproductive toxicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.		
	Specific target organ toxicity - single exposure	No target organ is listed.		
Specific target organ toxicity - repeated exposure	No target organ is listed.			
Interactive effects	No information available.			
Other information	No additional information.			

12. Ecological information

Ecological toxicity	Fish - Rainbow trout - <i>Oncorhynchus mykiss</i>	LC50	0.00062-0.314 mg/L; 96 h (CAS no 52645-53-1)
	Aquatic Invertebrate - <i>Daphnia Magna</i> (fresh water)	EC50	0.000039-0.0072 mg/L; 48 h (CAS no 52645-53-1)
	Green Algae - <i>Skeletonema costatum</i> - Growth inhibition	EC50	0.068 mg/L; 96 h (CAS no 52645-53-1)
	Bee	LD50	0.00019 mg/Bee-Abeille (CAS no 52645-53-1)
Persistence	No information available.		
Degradability	No information available.		
Bioaccumulative potential	No information available.		
Mobility in soil	No information available.		
Other adverse effects	Toxic to aquatic organisms, birds, bees and beneficial insects. This chemical does not deplete the ozone layer.		

13. Disposal considerations

	Important! Prevent waste generation. Use in full. DO NOT throw residual to sewer. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
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14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	Contains an ingredient which is a marine pollutant.
Special precautions for user	No information available.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
2020 Emergency Response Guidebook	N/A
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

15. Regulatory information

PEST CONTROL PRODUCT

There are Canada-specific environmental requirements for handling, use and disposal of this pest control product that are indicated on the product label.

Hazardous Products Regulations Information:

This product has been classified in accordance with the amended Hazardous Products Act (HPA) and the Hazard Criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

Hazardous Products Act Information:

Pest control products, as defined in subsection 2(1) of the Pest Control Products Act (PCPA), are excluded from the application of the Hazardous Products Act (that is, pest control products are exempt from the supplier labelling and SDS requirements of the Hazardous Products Act and Regulations). This product has been voluntarily classified according to the WHMIS 2015 standard.

Pest Control Products Act Registration Number: 34405

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

KEEP OUT OF REACH OF CHILDREN.
READ THE LABEL BEFORE USING.

Difference between SDS and pesticide label

PCPA Label		WHMIS 2015/SGH SDS	
Symbol(s)		Pictogram(s)	 Not Regulated under WHMIS 2015
Caution word	Not Applicable.	Signal Word	WARNING
Hazard Statement	Not applicable.	Hazard Statement	H317: May cause an allergic skin reaction

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Permethrin	52645-53-1				
Cedar Oil	68990-83-0				

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory

- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Permethrin	52645-53-1			X						
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- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations

HMIS



NFPA



16. Other information

Date (YYYY-MM-DD)	Ultrasol Industries 2022-12-12
Version	01
Other information	REFERENCES: - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov - European Chemical Agency ECHA, http://echa.europa.eu/information-on-chemicals - SAgE Pesticides, CRAAQ, Effets toxiques des matières actives, https://www.sagepesticides.qc.ca/Recherche/RechercheMatiere ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association

	OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System
	To the best of our knowledge, the information contained herein is accurate. However, neither Ultrasol Industries, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.