



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 1/9

SECTION 1: IDENTIFICATION

Product identifier	Tick Killz.
Recommended uses	Outdoor tick & mosquito control pesticide product.
Company	Natural Repellents
Address:	11 Cedar Gate Road Denville, NJ 07834 - USA
Telephone number	973-627-4523
Emergency telephone number	CHEMTREC 1 (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical product	Product not classified as hazardous by the Classification System used.
Pictograms	Not applicable.
Signal word	Not applicable.
Hazard statement(s)	Not applicable.
Precautionary statement(s)	Wash your hands after handling the product. Do not drink, eat, or smoke when handling the product. It is recommended to use suitable PPE's when handling the product. Obtain product information before handling. Store the product in a suitable place. In case of emergency, proceed as indicated by the SDS.
Classification system adopted	Hazard Communication Standard (HCS) 29 CFR: 1910.1200 - Appendix A. Adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations, 9 ed.
Other hazards which do not result in classification	The product is finely divided and at certain concentrations in the air, it can become explosive.



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 2/9

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Impurities and stabilizing additives contributing to the hazard

No impurities are known to contribute to the hazard. None by OSHA HazCom 2012 criteria.

SECTION 4: FIRST-AID MEASURES

Exposure routes

Inhalation

Take the victim to a ventilated place and keep him at rest in a position that does not impede breathing. Get medical attention. Take this SDS.

Skin contact

In case of skin contact, remove all contaminated clothing immediately. Wash immediately with plenty of running water for a few minutes. Wash contaminated clothing before reuse. If necessary, seek medical attention and take this SDS.

Eye contact:

Rinse with plenty of water for several minutes. If you wear contact lenses, remove them if easy and rinse again. Seek medical help if eye irritation persists. Take this SDS.

Ingestion

Do not induce vomiting. Do not give anything by mouth to an unconscious person. Wash the victim's mouth with plenty of water. If vomiting occurs, tilt the patient forward or place him on the left side (upward if possible) to keep the airway open and avoid aspiration. Keep the patient silent and maintain normal body temperature. Consult a POISON CENTER or a doctor. Take this SDS.

Most important symptoms/effects

May cause respiratory tract irritation. May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 3/9

Indication of any immediate medical attention and special treatment needed: If necessary, provide symptomatic treatment.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Suitable: Water spray, Alcohol-resistant foam, Carbon dioxide (CO ₂), Dry powder. Not suitable: jets of water directly under the product.
Specific hazards arising from the chemical product	The combustion of the chemical products or containers may form toxic and irritating gases such as carbon monoxide (CO), carbon dioxide (CO ₂).
Specific extinguishing methods	Self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Containers and tanks involved in the fire should be cooled with water laterally.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not smoke. Avoid contact with the product. If necessary, use personal protective equipment as described in section 8.
Protective equipment:	Use protective equipment as described in Section 8.
Emergency procedures	Wear glasses with side protection, suitable protective gloves, closed shoes, and safety clothing to protect the body. Protective mask.
Environmental precautions	Prevent the product from reaching the soil and water courses. Notify the relevant authorities if the product has caused environmental pollution (if it has reached water courses or if it has contaminated the soil or vegetation).
Methods and materials for containment	Containment techniques may include bunding, covering of drains and capping procedures.
Methods and materials for cleaning up	Contain the spilled product with sand, earth or vermiculite dikes and transfer to a suitable container, which must be correctly labeled. Collect remains of the product with inert material. The water used for cleaning the place must be collected for later disposal. For final



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 4/9

disposal, proceed according to Section 13 of this SDS.

SECTION 7: HANDLING AND STORAGE

Handling

Precautions for safe handling Handle in a ventilated area or with a general local exhaust / ventilation system. Avoid the formation of vapors and mist. Do not mix with incompatible materials. Keep away from heat, sparks, and open flame. Avoid exposure to the product. Wear personal protective equipment as described in Section 8.

Suitable precautions Contaminated clothing should be changed and washed before reuse. Remove clothing and protective equipment contaminated before entering eating areas. Smoking, eating, or drinking should be prohibited when working with this product.

Prevention of contact Wash hands and face thoroughly after handling and before eating, drinking, smoking, or going to the bathroom.

Storage

Conditions for safe storage Store in a well-ventilated, dry, cool place away from sunlight. Keep the packaging tightly closed and in an area accessible only to authorized persons. Keep away from sources of ignition and heat. Keep away from incompatible materials.

Incompatible substances and mixtures The product may be incompatible with strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Occupational exposure limit There are no established occupational exposure limits.

Biological limit There are no established biological limits.

Engineering controls measures Promote mechanical ventilation and a direct exhaust system to the outside environment. These measures help to reduce product exposure.

Individual protection measures, such as personal protective equipment:



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 5/9

Respiratory protection	A risk assessment is recommended to adequately define respiratory protection in view of the conditions of use of the product.
Hand protection	Protective gloves are recommended when spraying.
Eye protection	Safety glasses or goggles are recommended when using product.
Skin and body protection	Suitable safety clothing and closed shoes. The material used should be waterproof.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, clear, colorless to light yellow liquid.
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point, initial boiling, and boiling range	No data available.
Flashpoint	No data available
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
n-octanol/water partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability	No data available
Viscosity	No data available



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 6/9

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Elevated temperatures. Ignition sources, avoid exposure to light, air, moisture and excessive heat, contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Thermal decomposition can release carbon monoxide (CO) and carbon dioxide (CO ₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful if swallowed. It is not expected that the product causes dermal or inhalation toxicity. LD ₅₀ (oral, rat): > 2000 mg/Kg. LD ₅₀ (dermal, rabbit): > 2000 mg/kg. LC ₅₀ (inhalation, rat, 4h): > 20 mg/L.
Skin irritation/corrosion	It is not expected to cause skin irritation.
Eye damage/irritation	It is not expected to cause eye irritation.
Respiratory or skin sensitization	It is not expected to cause respiratory or skin sensitization.
Reproductive cell mutagenicity	The product is not expected to show germ cell mutagenicity.
Carcinogenicity	The product is not expected to be carcinogenic. The product is not listed on the IARC or ACGIH.
Reproductive toxicity	The product is not expected to exhibit reproductive toxicity.
Specific target organ toxicity – single exposure	It is not expected that the product presents specific target organ toxicity by single exposure.
Specific target organ toxicity – repeated exposure	The product is not expected to present specific target organ toxicity by repeated exposure.
Aspiration hazard	The product is not expected to present an aspiration hazard.



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 7/9

SECTION 12: ECOLOGICAL INFORMATION

Environmental effects, behavior, and fate of the product

Ecotoxicity	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability	The product is readily biodegradable.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other environmental effects are known for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Methods of disposal to the chemical product, product waste and/or contaminated container and/or packaging	Must be disposed in compliance with local regulations. The treatment and disposal should be evaluated for each specific product. Keep the product remains in its original and properly closed. Disposal should be performed as established for the product. Do not reuse empty containers. These may contain product residues and should be kept closed and sent for proper disposal as established for the product.
---	--

SECTION 14: TRANSPORT INFORMATION

International regulations

Land	USDOT (US Department of Transportation) / DOT 49 CFR (US law).
Sea	IMO – International Maritime Organization International Maritime Dangerous Goods Code (IMDG Code)
Air	IATA – International Air Transport Association Dangerous Goods Regulation (DGR)
UN number	Not classified as hazardous to transport Consult regulations:
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code	- International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006; - International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 8/9

code. IMO, London, 2007.

Special precautions

There is no need of special precautions.

SECTION 15: REGULATORY INFORMATION

Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990.

Hazard Communication Standard, 29 CFR 1910.1200 (HCS).

U.S. Federal Regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

SECTION 16: OTHER INFORMATION

This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace, it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

SDS revised in January 2022.

Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists

LD₅₀ – Lethal Dose 50%

LC₅₀ – Lethal Concentration 50%

LEL – Lower Explosive Limit

UEL – Upper Explosive Limit

NIOSH – National Institute of Occupational Safety and Health

OSHA – Occupational Safety & Health Administration

PEL – Permissible Exposure Limit



SDS

In compliance with HCS/HazCom 2012

SAFETY DATA SHEET

Product: Tick Killz

Revision: 2.0

Date: 01/26/2022

Pages: 9/9

Bibliographic references:

ACGIH. AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2021.

40 CFR Part 355. Available in: <<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-J/part-355#Appendix-A-to-Part-355>>. Access in January.2022.

ECHA. EUROPEAN CHEMICAL AGENCY. Available in: <<https://echa.europa.eu/>>. Access in: January. 2022.

ECHEM. The Global Portal to Information on Chemical Substances OECD. Available in: <https://www.echemportal.org/echemportal/substancesearch/substancesearch_execute.action>. Access in: January. 2022.

GHS. Globally Harmonized System of Classification and Labelling of Chemicals. 9. rev. ed. New York: United Nations, 2021.

IARC. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER. Available in: <<https://monographs.iarc.who.int/agents-classified-by-the-iarc/>>. Access in: January. 2022.

NIOSH. NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards. Available in: <<http://www.cdc.gov/niosh/>>. Access in: January. 2022.

NATIONAL LIBRARY OF MEDICINE - PUBCHEM. Available in <<https://pubchem.ncbi.nlm.nih.gov/compound/7101> />. Access in. January. 2022.