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**PRODUCT: DERMAGUARD SKIN-FRIENDLY INSECT REPELLENT MAXIMUM
PROTECTION/WOODS - 30% DEET (PCP 30997)**

CODE: P3-099710

SECTION 1: IDENTIFICATION

Product Identity..... DERMAGUARD SKIN-FRIENDLY INSECT REPELLENT MAXIMUM
PROTECTION/WOODS - 30% DEET (PCP 30997)
Product Item Numbers..... P3-099710
Initial Supplier Identifier..... Empack Spraytech Inc.
24 hour emergency telephone number..... In the event of a transport emergency, contact CANUTEC at 1-613-996-6666. For health
emergencies, contact Empack Spraytech Inc. at 1-866-923-2665.
Recommended Use..... Insect Repellent.
Restrictions on use..... Not available.

SECTION 2: HAZARD IDENTIFICATION



Label Elements:
Signal Word..... WARNING.
Hazard Classification:
Physical Hazards..... Not Classified.
Health Hazards..... Skin Irritation - Category 2. Skin Sensitization - Category 1. Eye Irritation - Category 2B.
Specific Target Organ Toxicity, Single Exposure - Category 3.
Hazard Statement..... H320:Causes eye irritation. H315:Causes skin irritation. H317:May cause an allergic skin
reaction. H335:May cause respiratory irritation.
Precautionary Statements:
Prevention..... P264:Wash hand thoroughly after handling. P280:Wear protective gloves. P261:Avoid
breathing dust/fume/gas/mist/vapours/spray. P272:Contaminated work clothing must not
be allowed out of the workplace. P271:Use only outdoors or in a well-ventilated area.
Response..... P302+P352:IF ON SKIN: Wash with plenty of water. P332+P317:If skin irritation occurs:
Get medical help. P362+P364:Take off contaminated clothing and wash it before reuse.
P321:For specific treatment see section 4 on this SDS. P305+P351+P338:IF IN EYES:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and
easy to do. Continue rinsing. P337+P317:If eye irritation persists: Get medical help.
P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312:Call a POISON CENTER if you feel unwell.
Storage..... P403+P233:Store in a well-ventilated place. Keep container tightly closed. P405: Store
locked up.
Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or
international regulations.
Other hazards known to the supplier..... Not available.
Hazard(s) not otherwise classified (HNOC) For external use only. Do not use near eye or mouth areas and do not ingest. Discontinue
use if rash, redness or itching occurs. May cause an allergic skin reaction.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME & SYNONYMS	CAS #	WT. %
Ethyl alcohol		64-17-5	10-30
N,N-Diethyl-m-toluamide		134-62-3	30
Fragrance		Mix	0.1-1

SECTION 4: FIRST-AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain
immediate medical assistance.
Skin Contact..... Remove contaminated clothing. Launder clothing before reuse. Wash thoroughly with soap
and lukewarm water.
Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of
15 minutes keeping eyelids open. Consult a doctor if any irritation occurs. Get medical
attention if irritation persists.

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SECTION 4: FIRST-AID MEASURES

Ingestion..... Not likely to be ingested. If occurs, do not give anything by mouth to an unconscious person. Do not induce vomiting, get medical attention. Obtain medical advice.
 Most important symptoms/effects, acute .. Direct eye contact may cause temporary eye irritation.
 and delayed
 Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
 Unsuitable Extinguishing Media..... None in particular.
 Specific Hazards Arising from the Chemical No further relevant information available.
 Special Protective Equipment and Firefighters must use standard protective equipment including flame retardant coat, helmet
 Precautions for Firefighters with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Ensure adequate ventilation; avoid formation of dust. Wear protective equipment and keep
 Equipment and Emergency Procedures unprotected persons away. Use respiratory protection against the effects of dust.
 Methods and Materials for Containment .. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand,
 and Cleaning Up earth, diatomaceous earth, vermiculite) and place in container for disposal according to
 local/national regulations (see section 13). Eliminate all ignition sources (no smoking,
 flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.)
 away from spilled material.
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent
 environmental contamination.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling..... Wash thoroughly after handling . Pressurized container: Do not pierce or burn, even after
 use. Do not use if spray button is missing or defective. Do not spray on a naked flame or
 any other incandescent material. Avoid contact with eyes. Avoid breathing vapours or
 spray mists of this product. Contents under pressure. Use with adequate ventilation. Keep
 away from heat, sparks, and open flames.
 Conditions for Safe Storage including any Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store
 Incompatibilities in direct sunlight. Do not handle or store near an open flame, heat or other sources of
 ignition. Store away from incompatible materials (see Section 10).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Ethyl alcohol	1000 ppm	1000 ppm	1000 ppm	Not available	1000 ppm
N,N-Diethyl-m-toluamide	Not available	Not available	Not available	Not available	Not available
Fragrance	Not established	Not established	Not established	Not established	Not established
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ground all equipment and cylinders before use.				
Individual Protection Measures:					
Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.				
Skin Protection.....	Not normally required.				
Respiratory Protection.....	Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.				
Thermal Hazards.....	None Known.				
General Hygiene Considerations.....	When using, do not eat, drink or smoke. 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 prior to use.				

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Liquid.
 Colour..... Not available.
 Odour..... Ethyl alcohol odour.
 Melting Point and Freezing Point (°C)..... Not available.
 Boiling point or initial boiling point and 78.5°C (173.3°F). (Ethyl alcohol).
 boiling range (°C)
 Flammability..... Not applicable.
 Lower Explosive Limit (% vol)..... 3.3. (Ethanol).
 Upper Explosive Limit (% vol)..... 19.0. (Ethanol).
 Flash Point (°C), Method..... 14. Closed cup. (Ethyl alcohol).
 Auto Ignition Temperature (°C)..... Not available.
 Decomposition Temperature..... Not available.
 pH..... 7.0 - 8.0.
 Kinematic Viscosity..... Not available.
 Solubility..... Soluble.
 Partition Coefficient — n-Octanol/Water .. Not available.
 (Logarithmic Value)
 Vapour Pressure (psig)..... Not applicable.
 Density..... Not available.
 Relative density..... 0.940-0.960.
 Relative Vapour Density >1.
 Particle Characteristics..... Not available.
 Aerosol Flame Projection..... Not available .
 Aerosol Ignition Distance..... Not available.
 Flashback..... Not available.
 VOC Content..... No data.
 Note..... NMT = Not More Than.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.
 Chemical Stability..... Stable at normal temperatures and pressures.
 Possibility of Hazardous Reactions..... Will not occur.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatible Materials..... Avoid contacting with oxidizers.
 Hazardous Decomposition Products..... Thermal decomposition and burning may produce carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethyl alcohol	31,623 ppm (Rat - 4 hrs)	7,060 mg/kg (Oral - Rat); 20,000 mg/kg (Dermal - Rabbit)
N,N-Diethyl-m-toluamide	>2.02 mg/L (Rat - 4 hrs)	1,892 mg/kg (Oral - Rat); >5,000 mg/kg (Dermal - Rat)
Fragrance	No data	No data
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	No.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical,	Irritant effects.	
Chemical and Toxicological Characteristics		
Acute Toxicity.....	No known significant effects.	
Skin Corrosion/Irritation.....	Based on available data, the classification criteria are not met.	
Serious Eye Damage/Eye Irritation.....	Direct contact with eyes causes temporary irritation.	
Respiratory or Skin Sensitization.....	May cause an allergic skin reaction.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.	
Reproductive Toxicity.....	Contains no ingredient listed as toxic to reproduction.	
STOT - Single Exposure.....	Specific target organ toxicity single exposure Category 3. May cause drowsiness and dizziness.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	No data available .	
Chronic Effects.....	No long term chronic effects are known or anticipated.	
Toxicological Data		
Inhalation LC50-Rat 4hrs (Mixture, calculated):	>5 mg/L.	

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SECTION 11: TOXICOLOGICAL INFORMATION

Oral LD50-Rat (Mixture, calculated):..... >4,000 mg/kg.
Dermal LD50-Rabbit (Mixture, calculated): >13,000 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Not available.
Persistence and degradability The product itself has not been tested.
Bioaccumulation Potential..... The product itself has not been tested.
Mobility in Soil..... The product itself has not been tested.
Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations. PESTICIDAL WASTE: For disposal information, please read and follow Disposal instructions on the pesticide label. .

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... Not currently regulated.
DOT (US-Road)..... Not currently regulated.
IMDG (International- Marine)..... Not currently regulated.
IATA (International- Air)..... Not currently regulated.
Special precautions in connection with None known.
transport or conveyance either within or outside the premises
Environmental hazards..... None known.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations
Canada Regulations:..... Compliant to the current Hazardous Products Regulations (HPR).
Domestic Substances List (DSL)..... Yes.
PCPA Labelling..... This product is a registered pest control product regulated by Health Canada's Pest Management Regulatory Agency (PMRA) under the Pest Control Products Act (PCPA). Labeling requirements under the PCPA differ from the GHS classification criteria used in this Safety Data Sheet. The approved product label is the primary document for safety, use, and handling. Always read and follow the approved label before using or handling this product.

SECTION 16: OTHER INFORMATION

Disclaimer..... This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material.
Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
NFPA Storage Level..... Class IC.
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