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PRODUCT: OnGuard PerM 50 425g (PCP 35607)**CODE: AD-190018****SECTION 01: IDENTIFICATION**

Product Identity..... OnGuard PerM 50 425g (PCP 35607)
Product Item Numbers..... AD-190018
Manufacturer..... Empack Spraytech Inc.
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.
Recommended Use..... Insecticide Spray.

SECTION 02: HAZARD IDENTIFICATION

Label Elements:

Signal Word..... DANGER.

Hazard Classification:

Physical Hazards..... Gases Under Pressure - Liquefied Gas. Aerosols - Category 2.
Health Hazards..... Eye Damage/Irritation - Category 2A. Skin Sensitization - Category 1. Carcinogenicity - Category 1B. Aspiration Hazard - Category 1.

Hazard Statement..... H223:Flammable aerosol. H229:Pressurised container: may burst if heated (2).
H319:Causes serious eye irritation. H317:May cause an allergic skin reaction. H350:May cause cancer. H304:May be fatal if swallowed and enters airways.

Precautionary Statements:

Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211:Do not spray on an open flame or other ignition source. P251:Do not pierce or burn, even after use. P203:Obtain, read and follow all safety instructions before use. P280:Wear protective gloves/ protective clothing/ eye protection/ face protection. P264+P265: Wash hands thoroughly after handling. Do not touch eyes. P272:Contaminated work clothing must not be allowed out of the workplace. P261:Avoid breathing dust/fume/gas/mist/vapours/spray.

Response..... 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. P302+P352:IF ON SKIN: Wash with plenty of water. P333+P317: If skin irritation or rash 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. P318: IF exposed or concerned, get medical advice. . P301+P316: IF SWALLOWED: Get emergency medical help immediately. . P331:Do NOT induce vomiting.

Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
P405: Store locked up.

Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

Hazard(s) not otherwise classified (HNOC) Use only as directed. KEEP OUT OF REACH OF CHILDREN.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Isobutane	75-28-5	10-30
Propane	74-98-6	1-5
Permethrin	52645-53-1	0.50
Petroleum Distillates (Naphtha Hydrotreated Heavy)	64742-48-9	5-10

SECTION 04: FIRST-AID MEASURES

Inhalation..... No specific effects have been reported. Supply fresh air if any irritations persists.
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.
Skin Contact..... Remove contaminated clothing. Launder clothing before reuse. Wash thoroughly with soap and lukewarm water.

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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 05: 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 Contents under pressure. Pressurized container may explode when exposed to heat or flame.
 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.
 General Fire Hazards..... Non-Flammable.

SECTION 06: 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 07: 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. Store a temperature between 5°C (41°F) and 50°C(122°F).

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available
Permethrin	Not available	Not available	Not available	Not available	Not available
Petroleum Distillates (Naphtha Hydrotreated Heavy)	300 ppm	Not available	500 ppm (2,900 mg/m ³)	Not available	Not available
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.				

PRODUCT: OnGuard PerM 50 425g (PCP 35607)**CODE: AD-190018****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol.
 Physical Appearance..... Fine mist.
 Odour..... No data.
 Odour Threshold (ppm)..... Not available.
 pH..... Not applicable.
 Vapour Pressure (psig)..... 40-70.
 Vapour Density (Air=1)..... >1.
 Evaporation Rate (n-Butyl Acetate = 1)..... Not available.
 Boiling Point (°C)..... Not applicable.
 Melting/Freezing Point (°C)..... Not applicable.
 VOC Content..... No data.
 Specific Gravity 0.860-0.890.
 Solubility in water..... Soluble in water.
 Auto Ignition Temperature (Propellant), °C 460. (Isobutane).
 Flash Point (°C), Method..... -82.8. (Isobutane).
 Lower Explosive Limit (% vol)..... 1.8. (Isobutane).
 Upper Explosive Limit (% vol)..... 8.8. (Isobutane).

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
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Propane	658 mg/L (Rat - 4 hrs)	Not available
Permethrin	Not available	1,000 mg/kg (Oral - Rat); >2,000 mg/kg (Dermal - Rabbit)
Petroleum Distillates (Naphtha Hydrotreated Heavy)	8500 mg/m3 (Rat - 4hrs)	5000 ppm (Oral - Rat)
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	No.	
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.....	May cause mild skin irritation.	
Serious Eye Damage/Eye Irritation.....	Direct eye contact may cause slight redness.	
Respiratory or Skin Sensitization.....	Inhalation may cause respiratory tract irritation. May cause skin sensitization.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Contains Benzene, which is classified as Carcinogen by OSHA, IARC, NTP & ACGIH.	
Reproductive Toxicity.....	Based on available data, the classification criteria are not met.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	May be fatal if swallowed and enters airways.	
Chronic Effects.....	No long term chronic effects are known or anticipated.	
Toxicological Data		
Inhalation LC50-Rat 4hrs (Mixture, calculated):	~40 mg/L.	
Oral LD50-Rat (Mixture, calculated):.....	>5,000 mg/kg.	
Dermal LD50-Rabbit (Mixture, calculated):	>2,000 mg/kg.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.
 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.

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SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... PESTICIDAL WASTE: For disposal information, please read and follow Disposal instructions on the pesticide label. .

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.
DOT (US-Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.
IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.
IATA (International- Air)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... B1: Flammable Gas. 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.

Canadian Pesticide Regulation:

SECTION 16: OTHER INFORMATION

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The user is responsible for ensuring the product's suitability for their particular purpose and for following the legal PMRA-approved label.

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.

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