

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**TRADE NAME:** ActiveGuard™ Mattress Liner**EPA Reg. No:** 82123-1**PRODUCT USE:** Insecticide, pest control**DATE:** 26 April 2013**SUPERSEDES DATE:** 4 April 2012**REVISION #:** 1.001**MANUFACTURER:** Allergy Technologies LLC**ADDRESS:** 124 S. Maple Street
Suite 100
Amber, PA 19002**24/7 EMERGENCY PHONE:** INFOTRAC 800-535-5053. Call collect internationally; 352-323-3500**24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center**SECTION 2 - HAZARDS IDENTIFICATION****GHS:**  Health**GHS SIGNAL WORD:** None.

The most likely route of entry is the skin. This product may produce skin sensations that are reversible after 12-hours.

POTENTIAL HEALTH EFFECTS**CODE OF HAZARD STATEMENTS:**Physical hazards

None.

Health HazardsH317, May cause an allergic skin reaction.Environmental hazards

None.

CODE OF PRECAUTIONARY STATEMENTS:GeneralP101, If medical advice is needed, have prepared product container or label on hand.PreventionP264, Wash thoroughly after handling.ResponseP314, Get medical attention if you feel unwell.P332, If skin irritation occurs, rinse area with clean water.P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.P352, Wash with plenty of soap and water.P353, Rinse skin with water/shower.StorageP402, Store in a dry place.P403, Store in a well-ventilated area.P412, Do not expose to temperatures exceeding 177 °C/350 °F.**ROUTES OF ENTRY:** Skin adsorption.**CARCINOGENICITY:** ACGIH, NTP, IARC, or OSHA does not list permethrin as a carcinogen.

NOTE: Please refer to Section 11 for detailed toxicological information.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS NUMBER | EINECS # | % | REACH REG # |
|------------------|------------|-----------|-------|-------------|
| Polyester fabric | 25038-59-9 | NE | 98.36 | No |
| Permethrin* | 56645-53-1 | 258-067-9 | 1.64 | No |

*Active ingredient

SECTION 4 - FIRST AID MEASURES

INHALATION: Not likely in product form, if difficulty in breathing, move to fresh air free from risk of further exposure. Seek medical attention if difficulty with breathing.

EYE CONTACT: Not likely in product form, if in eyes flush with clean, lukewarm water raising upper and lower eyelids at low pressure for 15 minutes. Remove contact lenses, if present, after the first five minutes and continue to rinse the eyes. Seek medical attention if no relief.

SKIN CONTACT: Not likely in product form, if skin is irritated rinse area with clean water for 15-20 minutes. Call doctor for treatment advice if irritation persists.

INGESTION: Not likely in product form, if swallowed, DO NOT INDUCE VOMITING. Lower the head when person is vomiting to minimize entry into throat and lungs.

SECTION 5 - FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: Not flammable

FLAMMABLE LIMITS: None established.

EXTINGUISHING METHOD: Use dry chemicals, carbon dioxide and foam.

FIRE OR EXPLOSION HAZARDS: This material under complete combustion will form oxides of carbon and nitrogen, chlorine and hydrogen chloride.

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Full emergency equipment with self-contained breathing apparatus and full protective clothing to be worn by firefighters.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Keep away from excessive temperatures (177 °C/350 °F). Product does not leak.

SECTION 7 - HANDLING AND STORAGE

STORAGE TEMPERATURE: Keep mattress liner below excessive heat.

SPECIAL SENSITIVITY: None known at this time.

HANDLING AND STORAGE PRECAUTIONS: Use normal good personal hygiene. Wash thoroughly after use and before eating, drinking, chewing gum or using tobacco.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: None required.

SKIN PROTECTION: None required.

RESPIRATORY PROTECTION: None required.

OCCUPATIONAL EXPOSURE LIMITS: None established.

ENGINEERING CONTROLS: None required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Soft white fabric.

ODOR: Odorless

SOLUBILITY IN WATER: Not soluble

FLASH POINT: NA

VOLATILE ORGANIC CONTENT (VOC): NA

SECTION 10 - REACTIVITY

STABILITY: This product is stable material under normal conditions of storage and handling.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Excessive high temperatures (177 °C/350 °F).

INCOMPATIBLES: Avoid strong oxidizing agents, acids and bases.

DECOMPOSITION PRODUCTS: Product will burn and the products of complete combustion are oxides of carbon and nitrogen, chlorine and hydrogen chloride.

SECTION 11 - TOXICOLOGICAL/ECOLOGICAL INFORMATION

For Permethrin product:

Oral LD_{50 (rat)} ≥ 5000 mg/kg LC_{50 (rat)} > 2 mg/L

Dermal LD_{50 (rat)} ≥ 5000 mg/kg

The significant route of exposure is the skin.

SECTION 12 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material is a solid fabric. Dispose according to the regulations of local, state and Federal regulatory agencies.

SECTION 13 - TRANSPORTATION INFORMATION

US DOT (ground) SHIPPING NAME: Not regulated.

IATA (air) SHIPPING NAME: Not regulated.

IMO (water) SHIPPING NAME: Not regulated.

SECTION 14 - REGULATORY INFORMATION

OSHA STATUS: Polyester fabric not listed. Permethrin is a registered pesticide.

TSCA STATUS: None.

CERCLA REPORTABLE QUANTITY: None.

CALIFORNIA PROPOSITION 65: None.

RCRA STATUS: Not regulated under RCRA.

SARA 311/312 HAZARD NOTIFICATION/REPORTING

IMMEDIATE Y **FIRE** Y **SUDDEN RELEASE OF PRESSURE** N

DELAYED Y **REACTIVE** N

SARA TITLE III: None.

SECTION 302 EXTREMELY HAZARDOUS: None.

SECTION 311/312 HAZARD CATEGORIES: None.

SECTION 313 TOXIC CHEMICALS: Permethrin.

RIGHT TO KNOW: Permethrin is listed in CA, FL, ME, MN, NJ and PA.

WHMIS: Permethrin is listed as a pesticide. This product has been classified in accordance with the hazard criteria of the Controlled Products regulations and the SDS contains all of the information required by these regulations.

SECTION 15 – OTHER INFORMATION/APPROVALS

National Fire Protection Association (NFPA)

Hazardous Materials Identification System (HMIS)

NFPA

HMIS

0 Least

1 Health

1 Slight

1

Health

0 Flammability

2 Moderate

0

Flammability

0 Instability

3 High

0

Reactivity

4 Severe

B

PPE

RISK PHRASES: R21, Harmful in contact with skin.

SAFETY PHRASES: S24, Avoid contact with skin and if swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 16 – ABBREVIATIONS /DISCLAIMER

REASON FOR ISSUE: New MSDS to meet GHS guidelines, REACH (EEC) and EPA PR Notice 2012-1. See Sections 2, 3, 4, 6, 9, 10, 11, 14, 15 and 16. Changes are underlined.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS) and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

This product is EPA Toxicology Category IV by all routes of exposure. Therefore no signal word nor Hazards to Humans and Domestic Animal Statements are required.

APPROVAL DATE: 28 April 2013

PREPARED BY: Dennis Belau
DBelau@comcast.netREVIEWED BY Allergy Technologies LLC
joseph@allergytechnologies.com**ABBREVIATIONS:**

| | | | |
|------------------|--|------------------|--|
| CAS # | Chemical Abstract Service Number | EINECS | European Inventory of existing Commercial Chemical Sales |
| °C | Celsius temperature scale | °F | Fahrenheit temperature scale |
| Prop. | Proprietary | PE | Personal Protective Equipment |
| TLV | Threshold Limit Value | TWA | Time Weighted Average |
| STEL | Short-term Exposure Limit | PEL | Permissible Exposure Limit |
| OSHA | Occupational Safety & Health | NIOSH | National Institute of Safety & Health |
| NFPA | National Fire Protection Agency WHMIS | | Workplace Hazardous Materials Information System |
| NTP | National Toxicology Program | IARC | Int. Agency for Research on Cancer |
| RCRA | Resource Conservation Recovery Act | TSCA | Toxic Substance Control Act |
| EC ₅₀ | Effective Dose | LC ₅₀ | Lethal Inhalation Concentration |
| LD ₅₀ | Lethal Dose | CAS | Chemical Abstract Service Number |
| LEL | Lower explosive limit | UEP | Upper explosive limit |
| NDA | No Data Available | ND | Not determined |
| NE | None established | NA | Not Applicable |
| ≤ | Less Than or Equal To | > | Greater Than or Equal To |
| CNS | Central Nervous System | CI | China |
| DSL | Canada | ECL | Korean Existing Chemicals List |
| EEC | European Economic Commission | ENCS | Japanese Existing and New Chemical List |
| EU | European Union | MAC | Netherlands |
| MAK | Germany | MITI | Japan |
| PICCS | Philippines | SWISS | Giftliste 1 |
| UK | United Kingdom | USA | United States |
| VOC | Volatile organic content | | |
| ACGIH | American Conference of Government Industrial Hygienists | | |
| SARA | Superfund Amendments and Reauthorization Act | | |
| AICS | Australian Inventory of Chemical Substances | | |
| IARC | International Agency for Research on Cancer | | |
| Taiwan | List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086 | | |

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