



SAFETY DATA SHEET

SECTION I – IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: HERCON® INSECTAPE®
*Target Insects: Ants, Spiders, Bees, Foraging Fire Ants, Wasps and Hornets
Insecticidal Dispenser for Propoxur*

MSDS Number: E100310 Date: 11/13/2013

COMPANY: ABERDEEN ROAD COMPANY d/b/a HERCON ENVIRONMENTAL
P.O. Box 435
Aberdeen Road
Emigsville, PA 17318

For an emergency or more information call 717-764-1192 or the National Pesticide Information, 800-858-7378

SECTION II. COMPOSITION AND INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT

COMMON NAME: *Propoxur*

CHEMICAL NAME: *2-isopropoxphenyl N-methylcarbamate*

CHEMICAL FAMILY of active ingredient: *Carbamate*

C.A.S. NUMBER: *114-26-1*

FORMULA: $C_{11}H_{15}O_3$

CONSTRUCTION: Laminated PVC controlled release dispenser **EPA Reg. No. 8730-49**

HAZARDOUS COMPONENT: PROPOXUR 10% BY WEIGHT each 4 sq inches contains 148 mg
A 2" x 3" laminated strip (6 sq in) contains 222 mg of propoxur

SECTION III. HAZARD INFORMATION

PRECAUTIONARY STATEMENTS: KEEP OUT OF REACH OF CHILDREN

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed, harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Primary route of entry is Dermal and Eye.

This product contains an N-methyl carbamate that inhibits cholinesterase.

Acute toxicity: Oral: May be fatal if swallowed

Dermal: Harmful if absorbed through the skin

Inhalation: May be fatal if inhaled

*Other Toxicological Information: **Skin irritation:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (faces, eyes and mouth). **Eye irritation :** May cause temporary irritation, tearing, and blurred vision. Not a skin sensitizer.*

Crystals maybe present on the surface of the laminated strip. Avoid contact with eyes, skin or clothing.

SECTION IV. FIRST AID MEASURES

Note to Physician: This product contains an N-Methyl Carbamate that Inhibits Cholinesterase.

Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning, even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor immediately for treatment advice.

IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor immediately for treatment advice.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor immediately for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu). After 4:30 pm call your poison control center at 1-800-222-1222.

SECTION V. FIRE HAZARD INFORMATION

The Active ingredient is not classified as flammable or combustible by OSHA

FLASH POINT: *N/A*

FLAMMABLE LIMITS in air: *N/A*

EXTINGUISHING MEDIA: *Dry chemical, foam or Carbon dioxide*

SPECIAL FIRE FIGHTING PROCEDURES: *If involved in fire, use air-supplied equipment. Do not inhale fumes. Wear full protective equipment and NIOSH approved pressure demand, self contained breathing apparatus* UNUSUAL FIRE AND EXPLOSION HAZARDS: *When burned the hazardous decomposition products that will result because of incomplete combustion include carbon monoxide, CO₂ other unidentified products of hydrocarbon degradation, No_x, low level cyanides and hydrogen chloride. No unusual fire/explosion hazards are known. Keep fire fighting water out of waterways and sewers.*

NFPA Rating : Health: 3

Fire: 1

Reactivity: 1

SECTION VI. ACCIDENTAL RELEASE MEASURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: *If product has spilled pick up mechanically. Place unpouched product in tightly sealed containers. Take prudent precautions to avoid contact with skin, eyes and clothing. Keep out of water sources and sewers. Do not contaminate food or feed by storage, handling or by disposal. Read and observe all precautions and instruction on the label.*

SECTION VII. HANDLING AND STORAGE

GENERAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: *Do not contaminate water, food or feed by storage or disposal. Store in sealed containers in a cool, dry place and away from open flames. To maintain product integrity protect from high temperatures. Keep container closed. Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Users should remove protective clothing and equipment immediately after handling this product. Wash outside of gloves before removing. Keep and wash protective clothing separately from other laundry. Wear protective equipment described in Section VIII. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.*

Page 2 of 4

Do not apply in a way that will contact any person or pet, either directly or indirectly. Keep people and pets out of the area during application.

SECTION VIII. EXPOSURE CONTROL /PERSONAL PROTECTION INFORMATION

Applicators must wear long sleeved shirt, and long pants, socks and shoes. Handle product by plastic tab. Wear chemical resistant gloves.

RESPIRATORY PROTECTION: *Usually none required.*

EYE PROTECTION: *Usually none required*

VENTILATION: *Good general ventilation is sufficient.*

PROTECTIVE GLOVES: *None required but vinyl, latex or rubber gloves recommended for continuous handling. Handle product by the plastic tab to avoid powder that may be on surface of the laminate.*

OTHER PROTECTIVE EQUIPMENT: *None under normal usage.*

NOTE: *Personal protection information shown above is based upon the active ingredient propoxur. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.*

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

BULK DENSITY: *N/A*

SPECIFIC GRAVITY/25⁰C: *N/A*

MELTING POINT: *N/A*

BOILING POINT: *N/A*

FREEZING PT: *N/A*

pH: *N/A*

PERCENT VOLATILE by volume: *None specified*

ODOR DESCRIPTION: *Mild chemical smell*

VAPOR DENSITY (AIR = 1): *N/A*

VAPOR PRESSURE (20⁰C, mm HG): *Not determined*

SOLUBILITY IN WATER: *Insoluble*

PERCENT ACTIVE IN PRODUCT: *10.0% by weight*

SECTION X: STABILITY AND REACTIVITY

PRODUCT STABILITY: UNSTABLE _____ STABLE _____ X _____

HAZARDOUS POLYMERIZATION: May Occur _____ May Not Occur X _____

CONDITIONS TO AVOID: *Do not store near easily ignited chemicals and materials or open flames. MATERIAL TO AVOID: Strong oxidizing agents, acids or bases*

HAZARDOUS DECOMPOSITION PRODUCTS: *On combustion, the polymeric dispensers may produce CO, CO₂, HCL and CL₂.*

SECTION XI TOXICOLOGICAL INFORMATION

HEALTH/TOXICITY INFORMATION FOR THE ACTIVE INGREDIENT, PROPOXUR:

ACUTE TOXICITY: ORAL : LD50 69 mg/kg (male rats)

47 mg/kg (female rats)

DERMAL: LD50 >5,000 mg (rats)

INHALATION: LC50 >0.654 mg/L (respirable dust) (rats)

SKIN IRRITATION: Non-irritating

EYE IRRITATION: Minimal eye irritant

Not a dermal sensitizer

SUBCHRONIC TOXICITY: DERMAL: *3 month study with rabbits at 1000 mg/kg for 6 hr/day, five days/week –no local or systemnic effects observed at any level tested. NOEL was 1000 mg/kg. 13 week oral gavage study in Rhesus monkeys, dose of 40 mg/kg/day resulted in cholinergic sysptoms lasting 5-15 minutes after administration. Symptoms included salivation, chewing, twitching and rapid respiration. A 50% depression in plasma chlinestereace occurred by 1 hr and returned to normal at 24 hours after administration.. Inhalation study rats were exposed to propoxur at aerosol concentrations of 15.3, 45.3 or 139.6 mg/cubic meter of 6 hr/day, 5 days/week for 4 or 8 weeks, cholinesterase inhibition occurred*

CARCINOGENICITY: ACGIH Group A3 NTP No; IARC No; OSHA No

DEVELOPMENTAL/REPRODUCTIVE TOXICITY: *(Specific to Active Ingredient) Parental and reproductive NOELs were 30 and 80 ppm, respectively*

The NOEL for maternal and developmental toxicity was 10 mg/kg.

MUGENICITY (Specific to the Active Ingredient): The weight of evidence suggests that Propoxur is not a mutagen.

SECTION XII: ECOLOGICAL INFORMATION

ECOTOXICITY FOR PROPOXUR ACUTE TOXICITY: Fish: LC50 (trout)3.7 ppm (96 hr study); aquatic invertebrates: Daphnia: EC50 0.15 mg/L (48 hr)

No adverse effects have been reported using this end product.

Chemical Fate Information No data available. Keep out of lakes, streams or ponds.

SECTION XIII: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of onsite or at an approved disposal facility. **CONTAINER DISPOSAL:** Plastic pouch: Non-refillable container. Do not reuse or refill this pouch. Dispose of empty bag in a sanitary landfill or incinerate or if allowed by state or local authorities, by burning. If burned stay out of smoke. Cardboard Box [when used as outside packaging]: Dispose of outside cardboard box in sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

SECTION XIV: TRANSPORTATION INFORMATION

DOT (49CFR)

Ground Transport (DOT) Active Ingredient

Shipping Name: Carbamate

Class 6.1

SECTION XV: REGULATORY INFORMATION

OSHA Classification- contains Hazardous material

TSCA Status: active ingredient listed TSCA

CERCLA:

RCRA: hazardous

SARA Title III: No extremely hazardous substances present in this formulation (Section 302)

313 Reportable Ingredients: Propoxur (2-(1-methylethoxy) phenol methylcarbamate) CAS# 114-26-1 10%

Clean Air Act Ozone Depleting Chemical Substances: None

Clean Air Act Hazardous Air Pollutants: Not available

Volatile Organic Compounds: Not available

USDA Status: EPA Reg. No. 8730-49

This product is not intended for use where it is directly applied to food products

SECTION XVI OTHER INFORMATION

MSDS NUMBER E100310

DATE ISSUED: 1986

BY: Priscilla MacLean

DATE REVISED: 13 Nov. 2013

TITLE: Product Development Manager

Replaces : Oct. 1993

WARRANTY AND LIMITATION OF DAMAGES

Hercon Environmental warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the Directions for Use under normal conditions of use to the extent allowed by state law. Hercon neither makes, nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, expressed or implied concerning this material except as stated above. This warranty does not extend to the use of this product contrary to the label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Hercon Environmental. If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable as determined by Hercon, refund of the purchase price. To the extent allowable by law, Hercon's maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no case will Hercon be liable for **incidental**, consequential or special damages resulting from handling, storage, use, misuse or abuse of this product.