



MATERIAL SAFETY DATA SHEET

HMIS:

 Health- 2 Flammability- 3 Reactivity- 0 Pers.
 Protection- N

NFPA:

 Health- 2 Flammability- 3 Reactivity- 0 Special Hazard-
 N

WHMIS: B 5

Section 1: Product and Company Identification

Product: Nilotron Metered Flying Insect Spray Synonyms:

NILODOR, INC.

 10966 INDUSTRIAL PARKWAY NW
 BOLIVAR, OHIO 44612, USA

Non-Emergency:

US 800-443-4321

International 010-330-874-1017

24 hr Emergency Spill Information:

Chem-Tel, Inc.

 US, Canada: 800-255-3924. International:
 1-813-248-0584

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: Colourless or pale yellow liquid in aerosol can

Classified as hazardous by the criteria of NOHSC.

WARNING

Flammability : R 12: Contains compressed gas

Health Hazards Listed : Can irritate eyes and skin

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Likely Routes of Exposure: Inhalation

Eye: Direct exposure can irritate

Skin: Repeated exposure may dry

Ingestion: Unlikely due to form. Aspiration of liquid portion could cause chemical pneumonitis and nausea.

Inhalation: May cause dizziness, headache, asphyxia

Medical Conditions Aggravated By Exposure:

Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients

| Component | CAS# | % by Weight | WHMIS Controlled |
|---------------------------|-------------------|-------------|------------------|
| Isobutane / Propane Blend | 75-28-5 / 74-98-6 | 35-45 | N |

| | | | |
|-------------------------------------|-----------|-----------|---|
| Pyrethrum | 8003-34-7 | 0.1 - 1.0 | N |
| Piperonyl Butoxide | 51-03-6 | 1 - 5 | N |
| n-Octyl Bicycloheptenedicarboximide | 113-48-4 | 1 - 5 | N |
| Petroleum Distillates | 8052-41-3 | 30 - 50 | Y |

Section 4. First Aid Measures

| | |
|---------------|---|
| Eye Contact: | Flush eyes with copious amounts of clean water. Consult physician if irritation persists. |
| Skin Contact: | Remove all contaminated clothing. Wash with soap and water for at least 15 minutes. Consult a physician. |
| Inhalation: | Remove to fresh air. Apply artificial respiration if needed. |
| Ingestion: | Not applicable due to form. If liquid or sprayed material is ingested, DO NOT induce vomiting or give liquids. Call physician or poison control center immediately. |

Note to Physicians:

Section 5. Fire Fighting Measures

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| Suitable Extinguishing Media: | Water spray, foam, dry chemical, carbon dioxide. HAZCHEM CODE 3 Y |
| Unsuitable Extinguishing Media: | None known |
| Products of Combustion: | Oxides of carbon and nitrogen |
| Protection of Firefighters: | Cans can burst if heated above 50°C/122°F. Recommend full protective gear including self-contained breathing apparatus. May spray cans to cool & reduce probability of bursting. |

Section 6. Accidental Release Measures

| | |
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| Personal Precautions: | Do not puncture or incinerate cans. Keep below 50°C/122°F |
| Environmental Precautions: | Keep liquids out of surface waters and sewers. |
| Methods for Containment: | Individual containers are low volume. No special measures |
| Methods for Clean-Up: | Gather up scattered cans after any breached cans have finished discharging. Absorb discharge on sand, clay or other suitable material. |
| Other Information: | HAZCHEM CODE 3 Y |

Section 7. Handling and Storage

HANDLING

Use as directed. Do not remove cap until ready to insert in dispenser. Do not puncture or incinerate "Empty" container. Keep below 50°C/122°F.

STORAGE

KEEP OUT OF REACH OF CHILDREN. Keep below 50°C/122°F. Storage in original box until ready to insert in dispenser is advised.

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

| COMPONENT: | TWA: | LD-50 |
|--|------------------|-------------------|
| Isobutane / Propane Blend | 1000 ppm | Simple asphyxiant |
| Pyrethrum | 5 mg/cubic meter | Not determined |
| Piperonyl Butoxide | None Established | 7500 mg/kg |
| n-Octyl Bicycloheptenedicarboximide | None Established | 4220 mg/kg |
| Petroleum Distillates | 100 ppm | 1000 mg/kg |
| Engineering Controls: Normal ventilation | | |

Eye/Face Protection: Not needed when can is installed in dispenser. Safety glasses with side shields if discharging out of dispenser.

Skin Protection: Not needed when can is installed in dispenser. Neoprene gloves may be used if discharging out of dispenser.

Respiratory Protection: Not normally needed due to small quantities discharged. If vapor concentration exceeds TLV, use respirator for organic vapor.

General Hygiene Considerations: Keep away from food and beverages.

Section 9. Physical and Chemical Properties

| | |
|--|--|
| Color: Dispersed as fine colorless to pale yellow mist | Odor: Described by primary manufacturer as lime. Typical insecticide odor. |
| Physical State: Liquid and compressed gas in aerosol can | Odor Treshhold: |
| pH: Not applicable - non-aqueous | Freezing Point: Not determined |
| Evaporation Rate: Not determined | Boiling Point: Not applicable |
| Flash Point: Can can burst on prolonged exposure to temperatures of 55°C/130°F or higher, releasing flammable material | Flammability(solid,gas): Contents flammable. Product not a "Flammable Aerosol" as defined by IMO/ICAO |
| Upper Flammability Limit: Not determined | Lower Flammability Limit: Not determined |
| Vapor Pressure: PSIG @70F (Aerosols): 70-80 | Specific Gravity: Not applicable. Liquid portion approximately 6.59 Lb. Av. per U.S. Gallon at 20°C/68°F. (0.8 kg/L) |
| Vapor Density: Greater than air | Auto-ignition Temperature: Not determined |
| Volatile Organic Compound (VOC),%weight: | Solubility (water): Insoluble |
| Less than 24% by weight | Percent Volatile: Less than 24% by weight |

Section 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: Temperatures above 50°C/122°F, Direct sunlight, open flame, welding

Incompatible Materials: Acids, Alkalis

Hazardous Decomposition Products: CO, CO₂

Possibility of Hazardous Reactions: Will not occur

Section 11. Toxicology Information

ACCUTE EFFECTS

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|------------------|--|
| Oral LD50: | Not determined for mixture. Weighted average of liquid portion more than 950 mg/kg. |
| Dermal LD50: | Not determined for mixture. Weighted average of liquid portion more than 1000 mg/kg. |
| Inhalation: | Not determined for mixture. Weighted average more than 20 milligrams per Liter. |
| Eye Irritation: | Can irritate eyes if sprayed directly into eyes. |
| Skin Irritation: | Prolonged exposure to expelled liquid may result in irritation |
| Sensitization: | None known |

CHRONIC EFFECTS

| | |
|------------------------|------|
| Carcinogenicity: | None |
| Mutagenicity: | None |
| Reproductive Effects: | None |
| Developmental Effects: | None |

Section 12. Ecological Information

Ecotoxicity: None known
Persistence/Degradability: Biodegradable
Bioaccumulation/Accumulation: Not significant
Mobility in Enviroment: Not applicable due to mode of use

Section 13. Disposal Considerations

Disposal: Do not puncture or incinerate. Follow local regulations

Section 14. Transportation Information

US DOT (ground)
Proper Shipping Description: Consumer Commodity - ORM-D
CANADA TDG (ground)
Proper Shipping Description: Commodity - ORM-D
ICAO (air)
Proper Shipping Description: UN 1950,Aerosols, non-flammable, Class 2.2, LTD QTY
IMDG (water)
Proper Shipping Description: UN 1950,Aerosols, non-flammable, Class 2.2, EMS- F-D, S-U, LTD QTY

Section 15. Regulatory Information

Global Inventories

| | |
|------------------------|-----------|
| TSCA: United States | Included |
| DSL: Canada | Included |
| ECL: Korea | Not-Known |
| PICCS: Philippines | Not-Known |
| ENCS: Japan | Not-Known |
| AICS: Australia | Included |
| IECS: China | Not-Known |
| EINECS: European Union | Included |

SARA 313 Information : No Sara 313 Listed substances present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act pf 1986 :(Proposition 65)

No Proposition 65 Listed substences present

WHMIS: Canadian Workplace Hazardous Material Information System

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Section 16. Other Information

EPA Registration 10807-44-27053 EPA Establishment No. 10807-GA-1

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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