

# MATERIAL SAFETY DATA SHEET

## ***HOMS***

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| SECTION 1                 |  |                     |  |
|---------------------------|--|---------------------|--|
| TRADE NAME:               | Bite Blocker™ Insect Repellent Herbal Spray                                |                     |  |
| SYNONYMS:                 | N/A  |                     |  |
| REGULATORY LICENSE:       | This product is exempt from pesticide regulation under FIFRA Section 25(b) |                     |  |
| CHEMICAL FAMILY:          | Plant derivatives.   |                     |  |
| SECTION II COMPONENTS     |  |                     |  |
| PRINCIPAL COMPONENT(S)    |  | CAS NO.             | CHEMICAL FORMULA                             |
| Soybean Oil               |  | 8001-22-7           | N/A  |
| Water                     |  | N/A                 | H <sub>2</sub> O                             |
| Coconut Oil               |  | 8001-31-8           | N/A  |
| Glycerin                  |  | 56-81-5             | C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> |
| Lecithin                  |  | 8002-43-5           | N/A  |
| Citric Acid               |  | 77-92-9             | C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> |
| Geranium Oil              |  | 8000-46-2           | N/A  |
| Sodium Bicarbonate        |  | 144-55-8            | NAHCO <sub>3</sub>                           |
| Vanillin                  |  | 121-33-5            | C <sub>8</sub> H <sub>8</sub> O <sub>3</sub> |
| SECTION III PHYSICAL DATA |  |                     |  |
| BOILING POINT             | 90 to 100°C  | MELTING POINT       | 0°C  |
| VAPOR PRESSURE            | Not established  | VAPOR DENSITY       | 1.00 to 1.02 g/cm <sup>3</sup> 20°C          |
| SOLUBILITY IN WATER       | emulsifiable   | Viscosity           | 20 to 50 mPa.s                               |
| SPECIFIC GRAVITY          | 0.99   | APPEARANCE AND ODOR | White, opaque liquid; herbaceous odor.       |

| SECTION IV FIRE AND EXPLOSION HAZARD DATA   |  |  |                 |
|---|--|--|-----------------|
| FLASH POINT<br>(Method Used)  | FLAMMABLE LIMITS<br>(% by Volume in Air) | LEL  | UEL             |
| 220°C   | Not established                          | Not established  | Not established |
| EXTINGUISHING MEDIA: Foam, Carbon Dioxide (CO <sub>2</sub> ), or Dry Chemical   |  |  |                 |
| SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area of all unnecessary personnel. Use standard protective firefighting gear. Keep nearby containers and equipment cool with water spray. Contain the run-off, if possible, for proper disposal. |  |  |                 |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: When burned carbon oxides formed; plastic container may give off hazardous gases when burned.   |  |  |                 |
| SECTION V HEALTH HAZARD DATA<br>TOXICITY DATA   |  |  |                 |
| Acute Oral (Rat)  |  | LD50 > 20,000 mg/kg  |                 |
| Acute Dermal (Male Rabbit)  |  | >2,000 mg/kg   |                 |
| Eye Irritation (Male Rabbit)  |  | Moderate   |                 |
| Skin Irritation (Male Rabbit)   |  | Minimal  |                 |
| EFFECTS OF OVEREXPOSURE   |  |  |                 |
| EYE CONTACT:  |  | Can cause temporary irritation and tearing.                                    |                 |
| SKIN CONTACT:   |  | May cause irritation to sensitive individuals.                                 |                 |
| INHALATION:   |  | Not a reasonable route of exposure.  |                 |
| INGESTION:  |  | Can cause stomach irritation, resulting in nausea, cramps and vomiting.        |                 |
| CHRONIC:  |  | Data not established, but none of the ingredients are considered carcinogenic. |                 |

| <b>EMERGENCY AND FIRST AID PROCEDURES</b>                  |   |
|--|---|
| EYE CONTACT:   | Immediately flush with large amounts of water for 10 minutes. If irritation persists, get medical attention.  |
| SKIN CONTACT:  | For sensitive individuals: If irritation develops, flush affected areas with water.   |
| INHALATION:  | Not a reasonable route of exposure.   |
| INGESTION:   | Flush oral cavity, drink plenty of water. Treat symptomatically. Get medical attention.   |
| RECOMMENDED EXPOSURE LIMITS – TWA:                         | Not established   |
| LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA:                | No None of the ingredients are considered carcinogenic.   |
| OTHER HEALTH EFFECTS:                                      | None noted.   |
| HEALTH HAZARD CATEGORIES:                                  | CAUTION.  |
| <b>SECTION VI REACTIVITY DATA</b>                          |   |
| STABILITY:   | Stable.   |
| INCOMPATIBILITY:   | None known.   |
| HAZARDOUS DECOMPOSITION PRODUCTS:                          | None known.   |
| HAZARDOUS POLYMERIZATION:                                  | Will not occur.   |
| <b>SECTION VII SPILL OR LEAK PROCEDURE</b>                 |   |
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: | For large spills eliminate all ignition sources. Contain the spill (prevent this product from reaching surface waters or other water supplies). Soak up the spill with an appropriate absorbent and transfer to waste containers for disposal. Clean the spill area with detergent and water. Individual unbroken containers may be picked up and inspected for use/rework. |
| ENVIRONMENTAL HAZARDS/<br>WAST DISPOSAL:                   | Contaminated absorbent and wash water should be disposed of according to Local, State and Federal regulations.  |
| RCRA/CERCLA HAZARDOUS WASTE:                               | None.   |
| CONTAINER DISPOSAL:  | Do not reuse containers. Dispose of in a sanitary landfill or by other approved State and Local procedures.   |

| <b>SECTION VIII SPECIAL PROTECTION INFORMATION</b>   |  |
|--|--|
| RESPIRATORY PROTECTION:  | None required.   |
| PROTECTIVE GLOVES:   | None required.   |
| EYE PROTECTION:  | None required.   |
| OTHER PROTECTIVE EQUIPMENT:  | None required.   |
| VENTILATION:   | None required.   |
| NOTE:  | Personal protection information provided in this Section is based upon label information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or qualified professional be sought.             |
| <b>SECTION IX SPECIAL PRECAUTIONS</b>  |  |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE, ETC.  | Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong oxidizers. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on product label. |
| <b>SECTION X REGULATORY INFORMATION</b>  |  |
| <p>HOMS, LLC is unaware of any local, state or federal regulations which define the active ingredient as hazardous.</p> <p>As of the preparation date, this product did not contain a chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.</p> |  |
| <p>While this information and recommendations set forth are believed to be accurate as of the date hereof, HOMS, LLC makes no warranty with respect hereto and disclaims all liability from reliance thereon.</p>  |  |

**Date:** 12/23/2002

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