

ISK BIOCIDES, INC.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME:
BEE-Gone™

Date of Last Revision: 01/05/05

EPA Reg. No. 1022-586-71581

I. PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: Amber liquid with faint mild petroleum odor.

BOILING POINT (INITIAL) (F/C): No data

SPECIFIC GRAVITY (Water = 1): 1.039 @20C

DENSITY: 8.65 lb/gal

VAPOR PRESSURE (mm Hg): No data

EVAPORATION RATE (nBuAC=1): No data

VAPOR DENSITY (Air=1): No data

SOLUBILITY IN WATER: Emulsifies

pH Range: 4.8-5.0 @20C (6% in water)

II. HAZARDOUS INGREDIENTS (See Section X Also)

COMMON NAME	CHEMICAL NAME	C.A.S.#	%	OSHA PEL	ACGIH TLV
Permethrin	Permethrin	52645-53-1	30-45%	None	
Hydrocarbon Solvent	Proprietary	8052-41-3	20-30%	100 ppm	
Triacetin	Triacetin	102-76-1	20-35%	None	
Surfactant Blend	Proprietary	None	5 – 15%	None	

OSHA's Hazard Communication (Standard 29CFR 1910.1200) requires hazardous chemicals to be listed and the MSDS to identify the hazards associated with the product. This information must be included in all MSDS's that are copied and distributed for this product.

III. HEALTH HAZARD DATA (See Section IX Also)

FIRST AID: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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 for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

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 eye. Call a poison control center or doctor for treatment advice.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL CHEMTREC AT 1-800-424-9300

Primary Routes Of Entry: Inhalation Eyes Skin Ingestion

TOXICOLOGY DATA AND EFFECTS OF OVEREXPOSURE:

BEE-Gone has low oral, dermal and inhalation toxicity. It is minimally irritating to the eyes and slightly irritating to the skin. Effects from overexposure result from ingestion or coming into contact with the skin or eyes.

INGESTION: Vomiting after ingestion of this product may cause aspiration of hydrocarbon solvents into the lungs that may result in fatal pulmonary edema.

SKIN CONTACT: Contact with permethrin may produce skin sensations such as numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours. Large toxic doses administered to laboratory animals have produced central nervous system effects with symptoms that include hypersensitivity to touch and sound, tremors and chronic convulsions.

INHALATION: Overexposure to animals via inhalation has produced symptoms such as squinting eyes, irregular and rattling breathing and ataxis. Inhalation of hydrocarbon solvent vapors may cause dizziness, disturbances in vision, drowsiness, respiratory irritation, and eye, skin and mucous membrane irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY: None.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Degrees F, Method): 111°F - TCC

FLAMMABLE LIMITS IN AIR (LEL/UEL, % by Volume): Not Applicable.

EXTINGUISHER MEDIA: Foam, carbon dioxide, or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

SPECIAL FIRE FIGHTING PROCEDURES: Isolate fire area. Evacuate downwind. Wear MSHA/NIOSH-approved, self-contained breathing apparatus and full protective clothing. Do not breathe smoke, gases or vapor generated.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

Moderately combustible. When heated above the flash point, this material releases vapors which, when mixed with air, can burn or be explosive.

V. REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Excessive heat and fire.

INCOMPATIBILITY: Excessive heat and fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, hydrogen chloride, carbon dioxide, carbon monoxide, and aldehydes..

VI. ENVIRONMENTAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 7 (VII) "Special Protective Equipment". Keep unprotected persons and animals out of the area. Keep material out of streams and sewers. Dike to confine spill and absorb with an absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label content. To clean and neutralize spill area, tools, and equipment, wash with a suitable solution of caustic or soda ash and an appropriate alcohol (methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary.

WASTE DISPOSAL METHODS: Open dumping or burning of this pesticide or its packaging is prohibited. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location, and regulatory requirements may change, the appropriate regulatory agencies should be contacted prior to disposal. Non-returnable containers that held this material should be cleaned prior to disposal by triple rinsing. Containers which held this material may be cleaned by being triple-rinsed and recycled, with rinsate being incinerated. Do not cut or weld metal containers. Vapors that form may create an explosion hazard.

VII. SPECIAL PROTECTION EQUIPMENT

VENTILATION REQUIREMENTS: Ventilate via mechanical methods (general or local exhaust) to maintain exposure below TLV(s), if applicable. Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation. Ventilate all transport vehicles prior to unloading.

RESPIRATORY: For splash, spray or mist exposure, wear as a minimum, a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides. Respirator use and selection must be based on airborne concentrations.

EYE: Wear chemical splash goggles and/or face shield during mixing and when exposed to mist.

GLOVES: Wear chemical protective gloves made of materials such as nitrile, neoprene or Viton brand. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

OTHER PROTECTIVE EQUIPMENT: Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking or using tobacco. Shower at the end of the workday.

VIII. OTHER SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Store at temperatures above 40°F (5°C) if crystals form, warm to room temperature 70°F (21°C) by room heating only for 24 – 48 hours, and shake occasionally until crystals dissolve and product appears uniform. Do not use external source of heat for warming container. Keep out of reach of children and animals. Do not contaminate other pesticides, water, food or feed by storage or disposal..

OTHER PRECAUTIONS: Do not allow to freeze.

IX. ADDITIONAL INFORMATION

OSHA's Hazard Communication Standard, 29 CFR 1910, 1200 requires that a MSDS be kept on file and distributed to employees and/or customers. If this product is used at other locations, it is your responsibility to promptly distribute this information to that location. Additional copies of the Material Safety Data Sheets are available upon request.

X. SHIPPING INFORMATION

FREIGHT CLASSIFICATION:

U.S. Surface Freight Class: Insecticides, NOI, other than Poison, NMFC item 102120.

U.S. Air & Water Freight Class: Flammable Liquid n.o.s. (contains hydrocarbon solvent), UN 1993, Class 3, PG III, Marpol Designation: #1 Severe Marine Pollutant (permethrin 39.1%)

This product is classified for transportation purposes as follows:

	YES	NO
IATA (Air)	X	
IMO (Water)	X	
DOT (Land)		X

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WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller this product conformed to its chemical description and that it was reasonably fit for the purposes stated on the product label when used both in accordance with the Direction for Use appearing on the product label and under normal conditions of use. Buyers and users of this product assume the risk of all loss or damage from use or handling of this product that results from their failure to read and comply with the Directions for Use of this product which appear on the product label. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. Unless expressly prohibited by state law, the liability of seller for any breach of warranty shall not exceed the purchase price of the product as to which a claim is made.

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