

9 TechPac, LLC.  
Material Safety Data Sheet

Date Issued: 12/23/2011

**GardenTech Worry Free Brand Ready To Use**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** GardenTech Worry Free Brand Ready To Use  
**PRODUCT DESCRIPTION:** A Ready-to-Use Water-Based Insecticide for Spraying.  
**PRODUCT CODE:** EPA REG. NO. : 1021-1801-71004  
**ACTIVE INGREDIENT(S):** Pyrethrins; Piperonyl Butoxide

**MANUFACTURER**

TechPac, LLC.  
2030 Powers Ferry Road – Suite 370  
Atlanta, GA 30339

**For Medical Emergencies:** 800-420-9347  
**For Transportation or Spill:** 800-424-9300  
**For Product Information:** 866-945-50334

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:** CAUTION. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, and clothing.

DO NOT apply this product in or on electrical equipment due to the possibility of shock hazard.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause temporary irritation, tearing, and blurred vision.

**SKIN:** May cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth).

**SKIN ABSORPTION:** Harmful if absorbed through the skin.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Excessive inhalation may be irritating to the respiratory tract.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**CHRONIC EFFECTS:** None known.

**COMMENTS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS	EINECS
Pyrethrins	0.02	8003-34-7	232-319-8
Piperonyl Butoxide	0.2	51-03-6	200-076-7

**COMMENTS:** Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

**4. FIRST AID MEASURES**

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**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.

**SKIN:** 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.

**INGESTION:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give **any** liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove affected 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.

**NOTES TO PHYSICIAN:** For skin effects, a highly efficient therapeutic agent for pyrethrin exposure is topical application of tocopherol acetate (Vitamin E).

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** > 93.3°C (200°F) TAG Closed Cup

**FLAMMABLE CLASS:** This product is NOT classified as flammable or combustible by OSHA.

**EXTINGUISHING MEDIA:** Not applicable; product is > 95% water.

**HAZARDOUS COMBUSTION PRODUCTS:** This product is classified as Non-Combustible, however in the extreme temperatures that fires may produce, some of the constituents of this formula may decompose to give off such gases as carbon dioxide, carbon monoxide, and nitrogen oxides.

**FIRE FIGHTING PROCEDURES:** Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent such as sand, or vermiculite. Clean spill area of residues and absorbent.

**LARGE SPILL:** Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, storage tanks, etc., via drains, pumps, etc. Absorb with appropriate absorbent such as sand or vermiculite. Clean spill area of residues and absorbent.

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Contains Pyrethrins, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

**HANDLING:** Take prudent precautions to avoid contact with skin, eyes, and clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal. Read and observe all precautions and instructions on the label.

**STORAGE:** Store product with spray nozzle closed. Store in a cool, dry area, preferably one that can be locked. Always store pesticides in the original container. Store container upright. Store away from food and pet food.

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**KEEP OUT OF REACH OF CHILDREN.**

**STORAGE TEMPERATURE:** Protect from freezing. Do not transport or store below 32°F (0°C).

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Pyrethrins	<b>TWA</b>		5		5		
Piperonyl Butoxide	<b>TWA</b>	None		None		None	

**ENGINEERING CONTROLS:** Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Take prudent precautions to avoid contact with eyes.

**SKIN:** Take prudent precautions to avoid contact with skin and clothing.

**WORK HYGIENIC PRACTICES:** DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA!

Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Sweet smell.

**APPEARANCE:** Hazy, light-amber color.

**COLOR:** 1.0 on Gardner Scale.

**pH:** 5.4

**VAPOR DENSITY:** Heavier than air.

**FREEZING POINT:** ~ 0°C (32°F) Estimate.

**FLASHPOINT AND METHOD:** > 93.3°C (200°F) TAG Closed Cup

**SOLUBILITY IN WATER:** Miscible in water.

**SPECIFIC GRAVITY:** 0.998 (Water = 1) at 20°C (68°F)

**VISCOSITY #1:** 5.7 CPS at 24.5°C (76.1°F) Brookfield

**(VOC):** < 1.000 %

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not compatible with strong acids or bases. Not compatible with strong oxidizers.

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**11. TOXICOLOGICAL INFORMATION****ACUTE****DERMAL LD<sub>50</sub>:** > 2000 mg/kg**Notes:** Albino rabbit.**ORAL LD<sub>50</sub>:** > 2000 mg/kg**Notes:** Albino rat.**INHALATION LC<sub>50</sub>:** The Acute Inhalation LC<sub>50</sub> of this material places it in EPA Toxic Category IV.**EYE EFFECTS:** Irritation clearing within 48 hours.**SKIN EFFECTS:** Slight irritation at 72 hours. Produced a primary skin Irritation Index = 1.11**SENSITIZATION:** Negative; Not considered to be a dermal sensitizer to albino guinea pigs.**GENERAL COMMENTS:** Some of the above toxicity data was bridged from the concentrate, that is used in manufacturing this end-use product.**COMMENTS:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

Carcinogenicity/ Oncogenicity - Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following lifetime administration of high doses of Pyrethrins. Further detailed scientific studies into the mode of action responsible for these effects show that:

- 1) Because of biological species differences, the rat thyroid tumors are not relevant to humans.
- 2) The rat liver tumors occur in animals only at doses greatly exceeding human exposure levels and that cause cell proliferation (mitogenesis).

Based on these data, the USEPA has classified Pyrethrins as "Not Likely to be Carcinogenic to Humans," at doses that do not cause a mitogenic response in the liver/ cell proliferation. Thus, Pyrethrins can be considered to be non-carcinogenic at exposure levels relevant to human use of Pyrethrins-containing products.

Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

**12. ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION:** Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:**

IF EMPTY:

Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED:

Call your local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain.

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**RCRA/EPA WASTE INFORMATION:** This product contains the following RCRA/CERCLA Hazardous wastes/substances:

Component, RCRA ID#, CERCLA RQ:

Pyrethrins, N/A, 1 Lb.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** Non-Hazardous

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 1 Lb.

**OTHER SHIPPING INFORMATION:** This material is not regulated as a hazardous material by the DOT in quantities less than 5,000 Lbs.

Shipping name for quantities more than 5,000 Lbs. :

Environmentally Hazardous Substance, Liquid, N.O.S., RQ (Pyrethrins), 9, UN3082, III.

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Not Available

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

**313 REPORTABLE INGREDIENTS:** This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

See Section 13 of this MSDS for the components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4).

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

**REGULATIONS**

**STATE REGULATIONS:**

**VOLATILE ORGANIC COMPOUNDS (VOC):**

This product contains less than 1% VOC's.

**16. OTHER INFORMATION**

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**REVISION SUMMARY:** Revision #: 1. This MSDS replaces the July 13, 2011 MSDS. Any changes in information are as follows: In Section 9: (Group Field) for Percent Volatile

**HMIS RATING**

<b>HEALTH:</b>	<b>1</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>PHYSICAL HAZARD:</b>	<b>1</b>
<b>PERSONAL PROTECTION:</b>	

**HMIS RATINGS NOTES:** We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Section's 7 and 8 of this MSDS.

**COMMENTS:** The data contained herein are based on information currently available to TechPac, LLC. and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which TechPac, LLC. assumes legal responsibility.