



# MATERIAL SAFETY DATA SHEET

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Prepared according to 29CFR 1910.1200

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Ben's Clothing  
**MSDS Date:** November 16, 2010  
**MSDS Revision No.:** New  
**USE:** A pressurized aerosol insecticide for controlling fleas and ticks  
**EPA Reg. No.:** 1021-1746-56575  
**MANUFACTURER:** Tender Corporation  
**ADDRESS:** 106 Burndy Road  
Littleton, NH 03561  
**INFORMATION CALLS:** 800-258-4696  
**FAX PHONE:** 603-444-6735  
**EMERGENCY PHONE:** Veolia(spills):(800) 354-2382  
Medical: Poison Control Center Information:(800) 258-4696  
National Pesticide Information Center: (800)-858-7378

**HMIS Hazard Rating**  
HEALTH 2  
FLAMMABILITY 4  
REACTIVITY 1  
PERSONAL PROTECTION X

### SECTION 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Aerosol Spray containing 0.5% Permethrin.  
**CAUTION:** Contents under pressure. Do not store near heat, open flame or any other ignition source. **Do not expose to temperatures above 130°F (54.4°C)**, as bursting may occur. Avoid contact with skin, eyes, do not inhale vapors or apply to clothes while wearing.  
**DO NOT** puncture or incinerate container. Follow the "Directions for Use" on the label very carefully.

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

**ROUTES OF EXPOSURE:** Dermal, oral, inhalation

#### POTENTIAL HEALTH EFFECTS

**INHALATION:** Excessive inhalation of mists can cause nasal and respiratory irritation

**SKIN CONTACT:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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

**INGESTION:** May be harmful if swallowed in large amounts.

**EFFECT OF LONG-TERM (CHRONIC) EXPOSURE:** None known

**CARCINOGENICITY:** None known  
**TERATOGENICITY/EMBRYOTOXICITY:** None known  
**REPRODUCTIVE TOXICITY:** None known  
**MUTAGENICITY:** None known

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Conc. (%)	CAS NO.	EC NO.
Permethrin	0.5	52645-53-1	258-067-9
Petroleum distillates	5 - 10	64742-47-8	268-149-8
Liquefied petroleum gas	< 15	68476-86-8	270-705-8

Comments: Ingredients not identified are proprietary or non-hazardous.  
See Section 8 – "EXPOSURE CONTROLS/PERSONAL PROTECTION" for exposure guidelines



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#### SECTION 4: FIRST AID MEASURES

- INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- CONTACT WITH 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.
- CONTACT WITH 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.
- INGESTION:** If swallowed, IMMEDIATELY call 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 poison control center or doctor. Never give anything by mouth to an unconscious person.
- NOTES TO PHYSICIAN:** For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

#### SECTION 5: FIRE-FIGHTING MEASURES

**FIRE AND EXPLOSIVE PROPERTIES:** This aerosol is NOT classified as FLAMMABLE by the flame extension test method described in 16 CFR 1500.45.

Flash Point: Not applicable

Flammable Limits: Not applicable

**EXTINGUISHING MEDIA:** Foam  
Carbon dioxide  
Dry Chemical

**SPECIFIC HAZARDS:** In case of fire, hazardous combustion gases may be formed:  
Carbon monoxide (CO)  
Carbon Dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Chlorine gas and Hydrogen chloride may also under fire conditions

**PROTECT EQUIPMENT FOR FIREFIGHTERS:** Use a full-faced self-contained breathing apparatus along with full protective clothing. Keep nearby containers and equipment cool with a water stream

**SENSITIVITY TO IMPACT:** Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.

**FURTHER INFORMATION:** Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Shut off ignition sources. 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. Clean spill area of residues and absorbent. Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Review Section 7 (Handling) of this MSDS before proceeding with cleanup.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate water by disposal of wastes

#### METHOD FOR CONTAINMENT AND CLEAN-UP:

Prevent product from entering drains and ventilation systems. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered labeled containers for disposal.  
Large Spills: Dike spill product to prevent runoff. Recover contaminated water for appropriate disposal.  
Report spills to local health, safety and environmental authorities, as required.

#### SECTION 7: HANDLING AND STORAGE



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**GENERAL:** Do not use or store near heat, sparks, open flame, or any other ignition sources.

**HANDLING:** Contents under pressure – **DO NOT** puncture or incinerate container. Do not use or store near heat, sparks, open flame, or any other ignition sources. Take prudent precautions to avoid contact with skin and eyes. Do not inhale. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, food, or feedstuffs by storage, handling, or disposal. Read and observe all precautions and instructions on the label. Read entire label before using.

**STORAGE:** Store containers upright and closed. Store in areas that are cool, dry, and well-ventilated. Exposure to temperatures at or above 130°F (54.4°C) may cause bursting. Keep away from heat, open flame any ignition sources, and strong oxidizers. Emptied containers may retain product residues. **DO NOT** puncture or incinerate container.

**KEEP OUT OF THE REACH OF CHILDREN**

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Eyes & Face: Take prudent precautions to avoid contact with eyes and skin.

**EXPOSURE GUIDELINES:** OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

INGREDIENT:	CAS NO.	%	Supplier OEL	Exposure Limits	
				ACGIH TLV	OSHA PEL
Permethrin	52645-53-1	0.5	10 mg/m <sup>3</sup>	None	None
Petroleum distillates	64742-47-8	5-10	525 mg/m <sup>3</sup>	200 mg/m <sup>3</sup> (skin)	2 mg/m <sup>3</sup>
Liquefied petroleum gas	68476-86-8	<15	None	1000ppm 1800mg/m <sup>3</sup>	1000ppm 1800mg/m <sup>3</sup>

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Liquefied gases and milky white liquid

**ODOR:** Petroleum distillates

**pH:** 6.8 (Note: pH measurement is for aerosol contents less the compressed gas propellant (i.e., Non-Volatiles)).

**FREEZING POINT:** Not available

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1) @25°C:** 0.975 (Note: Specific Gravity is for aerosol contents less the compressed gas propellant (i.e., Non-Volatiles)).

**VAPOR PRESSURE (mmHg) @ °C:** Not applicable

**VAPOR DENSITY (AIR = 1):** Heavier than air

**FLASH POINT:** greater than 250°C

**SOLUBILITY IN WATER:** Partially miscible in water (Note: Water solubility analysis is for aerosol contents less the compressed gas propellant (i.e., Non-Volatiles)).

**VISCOSITY:** 4.5 CPS @ 23° C on Non-Volatiles

**VOLATILE ORGANIC COMPOUNDS (VOC):** Less than 14 %

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### SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** Stable



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**CONDITIONS TO AVOID:** Extreme temperatures

**INCOMPATIBILITY (MATERIAL TO AVOID):** Not compatible with strong acid or bases. Not compatible with oxidizing agents.

**HAZARDOUS POLYMERIZATION:** No

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### SECTION 11: TOXICOLOGICAL INFORMATION

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The preparation has not been tested for all toxicological effects; some are classified on the basis of the known hazards of the components.

**Acute oral toxicity:** LD50 – Greater than 5000mg/kg Notes: Albino rats  
**Method:**  
**Source:**

**Acute inhalation toxicity:** LC50 – The acute inhalation LC<sub>50</sub> of this material places it in EPA Toxic Category IV.  
**Method**  
**Source:**

**Acute dermal toxicity:** LD50 – Greater than 5000mg/kg Notes: Albino rats  
**Method:**  
**Source:**

**Irritant effect on skin:** Moderate irritation at 72 hours. Produced a primary skin irritation index of 3.7  
**Method:**  
**Source:**

**Irritant effect on eyes:** Conjunctival irritation clearing by 48 hours  
**Method:**  
**Source:**

**Sensitization:** Positive  
**Method**  
**Source:**

**Mutagenicity:** Not determined  
**Method**  
**Source:**

**Carcinogenicity/Reproductive toxicity:** 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.  
**Method**  
**Source:**

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### SECTION 12: ECOLOGICAL INFORMATION

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**General Comments:** Environmental data not available for this product. This section is not required by WHMIS.

**Ecotoxicological Information** This product is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the high-water mark. Do not contaminate water by disposing of equipment wash water.

**Mobility** Not determined  
**Persistence/degradability** Not determined  
**Bioaccumulation** Not determined

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** IF EMPTY: Place in trash or offer for recycling if available  
IF PARTLY FULL: Call your local solid waste agency for disposal instructions



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**US:** None of the ingredients in this product appear on the RCRA lists (Resource Conservation Recovery Act Regulations 40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substances list (40CFR302 Table 302.4)

### SECTION 14: TRANSPORT INFORMATION

#### SHIPPING INFORMATION:

Regulation	UN No.	Proper Shipping Name	Class	Package Group	Label	Additional Information
U.S. Department of Transportation (DOT) – Non-Bulk	–	Consumer Commodity	ORM-D	–	–	Not regulated
U.S. Department of Transportation (DOT) – Bulk	–	Consumer Commodity	ORM-D	–	–	Not regulated
International Air Transport Assoc. (IATA)	UN8000	Consumer Commodity	9	–	–	Not regulated

The transportation regulations are cited according to international regulations and in the form applicable to the United States and Canada. Possible national deviations in other countries are not considered.

### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS:

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** There are no components that are subject to emergency requirements under CERCLA Section 1039a0(40CFR 302.4) in this formulation.

**CERCLA HAZARDOUS SUBSTANCE:** None

**CERCLA REPORTABLE QUANTITY:** None

**RCRA 261 (RESOURCE CONSERVATION RECOVERY ACT):** This product is not defined as a hazardous solid waste..

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) FIRE:** No **PRESSURE GENERATING:** Yes **REACTIVITY:** No **ACUTE:** YES

**Section 302 Extremely Hazardous Substances (TPQ):** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40CFR 355)

**311/312 HAZARD CLASS:** None

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

#### U.S. STATE REGULATIONS:

**California Proposition 65 Warning:** None

**States Right to Know:** Volatile Organic Compounds (VOC); This product contains less than 14%

### SECTION 16: OTHER INFORMATION

<b>HMS</b>		
<b>Health:</b> 2	<b>Flammability:</b> 4	<b>Reactivity:</b> 1
<b>Special:</b> None		

4=extreme 3=High 2=Moderate 1=Slight 0=Insignificant

#### REVISED SECTIONS OR REASON FOR REVISION:

ORIGIN DATE: NOVEMBER 16, 2010

**DISCLAIMER:** The information provided herein was believed to be accurate, to the best knowledge of Tender Corporation, at the time of preparation from a compilation of sources believed to be reliable and is furnished without warranty, expressed or implied. It is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling, storage and use of this product and to determine the suitability of the product for its intended use. This data sheet relates only to the specific product listed and does not relate to use in combination or in any process with other materials