

MATERIAL SAFETY DATA SHEET

MSDS9189

WISCONSIN PHARMACAL COMPANY

1 Pharmacal Way

P.O Box 198

Jackson, WI 53037

EMERGENCY NUMBER: 1-800-255-3924
(24 HOURS)INFORMATION NUMBER: 1-800-558-6614
(BUSINESS HOURS)**PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Coleman Permethrin Aerosol**PRODUCT DESCRIPTION:** A pressurized aerosol insecticide for controlling fleas and ticks.**PRODUCT CODE:** 752**EPA REG. NO. :** 1021-1746-79533**PREPARED BY:** John Nygaard**DATE PREPARED:** 3-3-09**HMIS:** Health Hazard: 2

Fire Hazard: 1

Reactivity: 1

PPE: A

COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Permethrin	0.5	052645-53-1	258-067-9
Petroleum Distillates	<6	064742-47-8	265-149-8
Liquefied Petroleum Gas	10	068476-85-7	270-703-7

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

IMMEDIATE CONCERNS: CAUTION. Contents under pressure. Do not use or store near heat, sparks, open flame, or any other ignition sources. **Do not expose to temperatures above 130°F (54.4°C), as bursting may occur.** Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, and face. Avoid breathing vapors or spray mists of this product. Wear OSHA-approved safety glasses, safety goggles, or a full-face shield when applying this product.

DO NOT puncture or incinerate container.

POTENTIAL HEALTH EFFECTS**EYES:** Causes moderate eye irritation.**SKIN:** 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.**SKIN ABSORPTION:** Harmful if absorbed through the skin.**INGESTION:** May be harmful if swallowed.**INHALATION:** Excessive inhalation of mists can cause nasal and respiratory irritation.**CHRONIC:** None known.**FIRST AID MEASURES**

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 immediately 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 pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This aerosol is NOT classified as FLAMMABLE by the flame extension test method described in 16 CFR 1500.45.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product may support combustion and may decompose to give off toxic gases such as Carbon Monoxide, Carbon Dioxide, and Nitrogen Oxides. Chlorine gas and Hydrogen Chloride may also be formed under fire conditions.

EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F / 54.4°C may cause bursting.

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

ACCIDENTAL RELEASE MEASURES

SMALL SPILL: 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.

LARGE SPILL: 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. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

ENVIRONMENTAL PRECAUTIONS

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

HANDLING AND STORAGE

GENERAL PROCEDURES: Do not use near heat, open flame, or any other ignition source.

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. Wear OSHA-approved safety glasses, safety goggles, or a full face-shield when handling this product. Take prudent precautions to avoid contact with skin. Avoid breathing vapors or spray mists. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water food or feedstuffs, by storage, handling, or disposal.

READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE LABEL

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, ignition sources, and strong oxidizers. Emptied containers may retain product residues. DO NOT puncture or incinerate container.

KEEP OUT OF REACH OF CHILDREN.

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Permethrin	TWA					10
Petroleum Distillates	TWA				100	525
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800	

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: Wear OSHA-approved safety glasses with side-shields, safety goggles, or a full-face shield.

SKIN: Take prudent precautions to avoid contact with skin.

RESPIRATORY: Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/ or spray mists of this product.

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.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquefied gases and liquid.

ODOR: Odor of Petroleum Distillates.

APPEARANCE: Milky opaque white liquid.

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

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Heavier than air.

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: Partially miscible in water.

DENSITY: Not Available

SPECIFIC GRAVITY: 0.98 (Water = 1) Hydrometer @ 20°C (68°F)

VISCOSITY: 4.5CPS at 23°C (73.4°F) Brookfield on Non-Volatiles

(VOC): <14 %

COMMENTS:

WATER SOLUBILITY: Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

SPECIFIC GRAVITY: Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

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

HAZARDOUS DECOMPOSITION PRODUCTS: May decompose under fire or extreme temperatures to give off toxic Chlorine gas, Hydrogen Chloride, as well as Carbon Monoxide, Carbon Dioxide, and Nitrogen Oxides.

TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀ >5000 mg/kg
Albino rabbit.

ORAL LD₅₀ >5000 mg/kg
Albino rat.

INHALATION LC₅₀ The Acute Inhalation LC₅₀ of this material places it in EPA Toxic Category IV.

EYE EFFECTS: Conjunctival irritation clearing by 48 hours.

SKIN EFFECTS: Moderate irritation at 72 hours. Produced a primary skin Irritation Index of 3.7

SENSITIZATION: Positive

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.

ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

ECOTOXICOLOGICAL INFORMATION: This product is extremely toxic to fish and other aquatic invertebrates. Do not add directly to water. Do not contaminate water when disposing of equipment wash waters. Apply the product only as specified on the label.

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

IF EMPTY:

Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTIALLY FILLED:

Call your local solid waste agency or 1-800-CLEAN-UP for disposal instructions. Never place unused product down any indoor or outdoor drain.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION: ORM-D

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION: ORM-D
UN/NA NUMBER: UN8000

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Not Available

REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO **PRESSURE GENERATING:** YES **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).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

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.

STATE REGULATIONS

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains less than 14% VOC's.

OTHER INFORMATION

HMIS RATING

HEALTH:	2
FLAMMABILITY:	4
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

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 is based on information currently available to Wisconsin Pharmacal Company LLC, and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which Wisconsin Pharmacal Company LLC assumes legal responsibility.