

**MATERIAL SAFETY DATA SHEET  
 PERMETHRIN ARTHROPOD REPELLENT  
 INSECT REPELLENT, CLOTHING APPLICATION  
 FOR USE AND DISTRIBUTION WITHIN THE  
 DEPARTMENT OF DEFENSE ONLY**

**I. PRODUCT IDENTIFICATION**

**MANUFACTURED BY:**

Coulston Products Incorporated, a Sawyer Products, Inc. company  
 Safety Harbor, Florida 34695  
 CAGE CODE OC4A6

Sales & Mailing Address:  
 Post Office Box 188  
 Safety Harbor, FL 34695

DATE OF LATEST REVISION: 07 Sept 2010; Rev. 06.2  
 REPLACES EDITION DATED: 01 June 2010; Rev. 06.1

EMERGENCY TELEPHONE # 800-356-7811  
 BUSINESS TELEPHONE # 727-725-1177  
**TELEFACSIMILE # 727-725-1954**

**TRADE NAME:**

**Permethrin Arthropod Repellent, Insect Repellent, Clothing Application**  
**NATIONAL STOCK No. [NSN]: 6840-01-278-1336**

UPC No.: 83803-20100  
**CAGE 0YG07**

PN: Permethrin Arthropod Repellent  
 Department of Defense Formula

EPA ESTABLISHMENT No: 58996-MO-1;  
 10900-OH-1; 6593-MA-1; 11623-GA-1

EPA REGISTRATION No: 50404-5

Subject to Production -Inspect Container Label

**AIR TRANSPORT [IATA]:** UN1950 AEROSOLS, FLAMMABLE, N.O.S. (Propane-Isobutane, 30%), Hazard Class 2.1, Packing Group II  
**PACKAGE DELIVERY SERVICE:** Consumer Commodity, ORM-D, Level 1 Aerosol, Inside Containers Comply with Prescribed Regulations  
**FREIGHT [NMFC]:** National Motor Freight Classification #102120 INSECTICIDE O/T AGRICULTURAL LIQUIDS O/T POISON, Class 60  
**DoT [49 CFR]:** UN1950, Aerosols, Level 1  
**MARITIME [IMDG]:** UN1950, Aerosols  
**RAIL [IMO]:** UN1950, Aerosols

**HMIS HAZARD INDEX**

Hazardous	4 - Severe
Materials	3 - Serious
Identification	2 - Moderate
System	1 - Slight
	0 - Minimal

**HMIS RATING**

Health. . . . .	0
Flammability . . . . .	1
Reactivity. . . . .	0
Personal Protection. . . . .	A*

\* -See page 4 of 4 for Code Table

**II. HAZARDOUS INGREDIENTS**

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS IN AIR</u>	<u>ACGIH (TLV) OSHA (PEL)</u>
Permethrin*	52645-53-1	0.55	NE	NE
Petroleum Distillate	8052-41-3	<10.00	NE	NE
Inert Ingredients†	NA	>90.00	NE	NE

† Proprietary mixture of solvents, surfactants, preservatives, and propellants.

\* (3-phenoxyphenyl) methyl (±) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethyl cyclopropanecarboxylate  
Cis/trans ratio: min. 35% (±) cis and max. 65% (±) trans.

**III. PHYSICAL PROPERTIES**

Vapor Density (air=1):	NA	Melting Point (or range), °F:	NA
Specific Gravity:	0.792	Boiling Point (or range), °F:	NA
Unit Pressure:	46 ± 5 psig	Solubility (oil):	Negligible
Vapor Pressure, mmHg@°C:	NA	Solubility (water):	Miscible
Pounds/Gallon:	6.597	Color:	Milky White
Appearance:	NA	Odor:	Odorless
Flame Extension:	Negative	Particle Size:	NA
Bulk Density; Settled:	NA	Evaporation Rate (butyl acetate=1):	NA
Bulk Density; Fluffed:	NA	Shelf Life:	5 years
Percent Low VOC:	30	Percent Medium VOC:	<10

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**IV. FIRE AND EXPLOSION**

Flash Point, (TCC), °F: >200 Prefill Emulsion; <150 Hydrocarbon Propellant, 30%

Auto-ignition Temperature, °F: NA

Flammable Limits In Air, Volume %: Lower NE Upper NE

Fire Extinguishing Materials:

Water Spray  Carbon Dioxide  Other

Foam  Dry Chemical

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Contents under pressure; exposure to temperatures in excess of 130°F may cause bursting.

**V. HEALTH HAZARD INFORMATION**

Symptoms of Overexposure for Each Potential Route of Exposure:

Inhaled: None

Contact with Skin or Eyes: None

Absorbed Through Skin: None

Swallowed: None

Health Effects or Risk From Exposure:

Acute: NE

Chronic: NE

First Aid; Emergency Procedures:

- If Inhaled:
  - Remove affected person to well ventilated area, if not already done.
  - If person is not breathing, call medical officer or personnel or 911, then give artificial respiration, preferably by mouth-to-mouth, if possible.
  - Call a medical officer, poison control center or doctor for further treatment advice.
- If on Skin:
  - Wash affected areas of skin with soap and water.
  - Call a medical officer, poison control center or doctor for further 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 medical officer, poison control center or doctor for further treatment advice.

Suspected Cancer Agent?

No: This product's ingredients are not found in the lists below.

Yes:  Federal OSHA  NTP  IARC  Cal/OSHA

Notes:

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## VI. REACTIVITY DATA

Stability:  Stable  Unstable

Conditions to Avoid: Do not store when temperatures exceeds 130°F. Exposure to temperatures above 130°F may cause bursting. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container.

Incompatibility (materials to avoid): None

Hazardous Decomposition Products (including combustion products): None

Hazardous Polymerization:  May Occur  Will Not Occur

## VII. SPILL, LEAK AND DISPOSAL

Spillage or Leakage Procedures; steps to be taken in case material is spilled or released; Faulty or leaking container: Keep people away. Open all windows and doors and ventilate area thoroughly. Allow to discharge safely, avoiding breathing vapors. Soak up residues with an absorbent material. Dispose of absorbents in trash.

Preparing Wastes for Disposal (container types, neutralization): Do Not Puncture or Incinerate.

If Empty: Place in trash or offer for recycling if available.

If Partly Filled: Call your local solid waste agency, or 1-800-CLEANUP for disposal instructions.

NOTE: Dispose of all Wastes in Accordance with Federal, State and Local Regulations.

## VIII. SPECIAL HANDLING INFORMATION

Ventilation and Engineering Controls: None

Respiratory Protection: None

Eye Protection (type): A -Safety glasses, goggles or face shield

Gloves (specify material): None

Other Clothing and Equipment: None

Work Practices, Hygienic Practices: Follow Label Directions

Other Handling & Storage Requirements: Do not puncture, incinerate or store where temperatures exceed 130°F or fall below 32°F.

## IX. LABELING

Labeling; Precautionary Statements: CAUTION KEEP OUT OF REACH OF CHILDREN. Avoid contact with face, eyes, or skin. Avoid breathing vapors or spray mist. Wash thoroughly after handling and before eating or smoking. Do not allow contact with treated surfaces until spray has dried. Do not allow spray to contact food, or water supplies. Thoroughly wash dishes and food handling utensils contaminated with this product.

Other Precautions: CLOTHING TREATMENT ONLY. DO NOT APPLY TO SKIN.  
For use and Distribution within the Department of Defense Only  
Field Clothing and Mosquito Netting Only.

### X. REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: This product is a pesticide and is exempt from TSCA regulation.

CERCLA and SARA Regulations (40 CFR 355, 370, and 372): This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

### XI. KEY AND COMMENTS

NA = Not Applicable

NE = None (not) Established

Letter Designations of Personal Protection Equipment:

Safety Glasses	A
Safety Glasses, Gloves	B
Safety Glasses, Gloves, Synthetic Apron	C
Face Shield, Gloves, Synthetic Apron	D
Safety Glasses, Gloves, Dust Respirator	E
Safety Glasses, Gloves, Synthetic Apron, Dust Respirator	F
Safety Glasses, Gloves, Vapor Respirator	G
Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator	H
Safety Glasses, Gloves, Combination Dust and Vapor Respirator	I
Splash Goggles, Gloves, Synthetic Apron, Combination Dust and Vapor Respirator	J
Airline Hood or Mask, Gloves, Full Protective Suit, Boots	K
Situations Requiring Specialized Handling	L

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