

# Safety Data Sheet

## Aerothor Multipurpose Insect Control

Emergency Phone 1-800-424-9300 (Chemtrec)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aerothor Multipurpose Insect Control  
**Chemical Name:** Permethrin  
**Recommended use of the chemical and restrictions on use:** Insecticide

**Company:** Ensystem II, Inc.  
**Address:** 2175 Village Dr., Fayetteville, NC 28304  
**Daytime Phone:** 1-800-398-3772

### 2. HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin.  
Inhalation: May be harmful if inhaled in excess.  
Skin Contact: Minimally irritating. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping and reddening.

Eye Contact: Minimal eye irritation may result from short-term contact with liquid, mist.  
Ingestion: Ingestion is not an applicable route of entry for intended use. POTENTIAL HEALTH EFFECTS

GHS Signal Word  
WARNING

Label Elements  
Hazard pictograms



GHS Classifications:

Physical, Flammable Aerosols, 2  
Health, Acute toxicity, 4 Oral  
Health, Acute toxicity, 4 Dermal  
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Precautionary Statements:

P102 - Keep out of reach of children.  
P103 - Read label before use.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P270 - Do not eat, drink or smoke when using this product.  
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+350 - IF ON SKIN: Gently wash with soap and water.  
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.  
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS #	PERCENT BY WEIGHT
Distillates, petroleum , hydrotreated light	64742-47-8	<15
Permethrin	52645-53-1	<0.5
Mineral oil	8042-47-5	<2
Isobutane	75-28-5	<15
Propane	74-98-6	<15

### 4. FIRST-AID

Inhalation: Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.  
Take off contaminated clothing. Wash with soap and water. If skin irritation persists, call a physician immediately.  
Remove contaminated clothing and wash before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  
Ingestion: Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

Flammability: NA  
Flash Point: NA  
LEL: NA  
UEL: NA  
Flash Point Method: TCC  
Autoignition Temp: NA

### FIRE AND EXPLOSION HAZARDS:

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere. Dilute with alkaline base solution to neutralize.

## 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

**STORAGE REQUIREMENTS:** Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Maintain adequate ventilation

Personal Protective Equip: HMIS PP, B | Safety Glasses, Gloves

Eye Protection: Wear eye/face protection if label directions requires it.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing if label directions requires it.

**Respiratory Protection: Use in accordance with product label.**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

### INGREDIENTS

Distillates, petroleum, hydrotreated light

Permethrin

Mineral oil

Isopbutane

Propane

### EXPOSURE LIMITS

OSHA-PEL

1200 mg/m<sup>3</sup>

NE

NE

1000 ppm

1000 ppm

ACGIH-TLV

1200 mg/m<sup>3</sup>

NE

NE

1000 ppm

Simple asphyxiant

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white emulsion
Physical State:	Mixture packaged in pressurized aerosol spray can.
Odor:	insecticide odor.
Solubility:	Soluble in water
Spec Grav./Density:	0.900 - 1.000 g/mL
Viscosity:	NA
Boiling Point:	>200°F
Vapor Pressure:	No Data
pH:	7.0
VOC:	15.1%
Evap. Rate:	<1.00
Pressure:	38 - 48 psig @ 70F

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Product is stable under normal conditions.
<b>CONDITIONS TO AVOID:</b>	Heat, sparks, open flames and temperatures above 120°F
<b>MATERIALS TO AVOID:</b>	Strong oxidizing agents and acids.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	May form toxic materials: Carbon dioxide and carbon monoxide, various hydrocarbons, ect.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE (Product Specific Information):

- Oral Toxicity LD50 (rat): > 5,000 mg/kg IV EPA Tox Category
- Dermal Toxicity LD50 (rabbit): > 2,000 mg/kg III EPA Tox Category
- Inhalation Toxicity LC50(rat): > 4.84 mg/L IV EPA Tox Category

Eye Irritation (rabbit): Minimal irritant III EPA Tox Category

Skin Irritation (rabbit): Minimal irritant IV EPA Tox Category

Skin Sensitization (guinea pig): **Non-sensitizer**

### TOXICITY OF ACTIVE INGREDIENT:

#### PERMETHRIN:

CHRONIC/CARCINOGENICITY: A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

TERATOGENICITY: Permethrin was not teratogenic when tested in rats.

MUTAGENICITY: Permethrin did not produce any mutagenic effects when tested in the Ames test.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

## 12. ECOLOGICAL INFORMATION

ACUTE AND LONG-TERM TOXICITY TO FISH AND INVERTEBRATES: **This product is highly toxic to fish.**

OTHER ENVIRONMENTAL INFORMATION: Do not apply directly to water. Do not contaminate water by disposal of wastes.

## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

## 13. TRANSPORT INFORMATION

DOT Class: Flammable Gas (2.1) #2.1

UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, corrosive, Packing Group II or III, (each not exceeding 1 L capacity) or Aerosols, flammable (each not exceeding 1 L capacity) or Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity) or Aerosols, nonflammable (each not exceeding 1 L capacity) or Aerosols, poison, each not exceeding 1 L capacity



## 14. REGULATORY INFORMATION

### COMPONENT / (CAS/PERC) / CODES

\*Distillates, petroleum, hydrotreated light (64742478 <15%) TSCA

\*Permethrin (52645531 <15%) MASS, SARA313, TXAIR

\*Mineral oil (8042475 <15%) TSCA

\*Isobutane (75285 <15%) MASS, PA, TSCA

\*Propane (74986 <15%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

-R-E-G-U-L-A-T-I-O-N-Y --K-E-Y --D-E-S-C-R-I-P-T-I-O-N-S ----- TSCA = Toxic Substances Control Act

MSAARSAS 31= 3 M=A MSAaRsAs a3c1h3u sTeittlts e Hlalzla rTdoouxis c SCubhesmtaicnacelss List TXAIR = TX Air Contaminants with Health Effects  
Screening Level  
PA = PA Right-To-Know List of Hazardous Substances  
NOJSHHAS W=A C N=J ORSiHgAh t-Wotor-kKplnaocw e HAaizar rCdoonust aSmiubnasntatns ces California proposition 65 not listed.

## 14. Other Information

### Hazard rating System

#### NFPA

Health	Fire	Reactivity
1	1	0

**Disclaimer:** The information of this SDS is based on the present state of our knowledge. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

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