

MATERIAL SAFETY DATA SHEET

APHID & WHITEFLY SPRAY

Page 1 of 4

Issue Date: 07/11

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

APHID & WHITEFLY SPRAY

EPA Reg. No. 1021-1667-54705

Chemical Description: Liquefied Aerosol Insecticide Spray for Residential Use Only

Manufactured For

Lawn and Garden Products, Inc.

P.O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 994-9144

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Permethrin	52645-53-1	0.2	*N.A.	*N.P.
Tetramethrin (NEO-PYNAMIN®)	7696-12-0	0.2	N.A.	N.P.
Petroleum Distillates	64742-47-8	<10	N.A.	N.P.
Liquefied Petroleum Gas	68476-86-8	20-25	1000 ppm	

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

*N.A. – Not Available.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS 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. Harmful if absorbed through the skin. Avoid contact with skin, eyes, and clothing. DO NOT puncture or incinerate container. Follow the "Directions For Use" on the label very carefully.

HMIS RATING: HEALTH: 1 FLAMMABILITY: 4 PHYSICAL HAZARDS: 1

SECTION 4. FIRST AID

- 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: 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 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.

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

SECTION 5.	FIRE AND EXPLOSION HAZARDS
------------	----------------------------

Flash Point:	Not known.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not known.
Flammability Classification:	This aerosol is NOT classified as FLAMMABLE by the flame extension test method described in 16 CFR 1500.45.
Known Hazardous Products of Combustion:	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.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	Contents under pressure. Exposure to temperatures above 130°F (54.4°C) may cause bursting. Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.
Extinguishing Media:	Foam, carbon dioxide or dry chemical.
Special Firefighting Procedures:	Treat as an oil fire. Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Keep nearby containers and equipment cool with a water stream. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
------------	------------------

Containment:	Shut off ignition sources. Prevent product spillage from entering drinking water supplies or streams. Pyrethroids are toxic to fish and other aquatic invertebrates.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal according to local, state/provincial and federal/national regulations.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
------------	----------------------

Storage:	Store containers upright and closed. Always store pesticides in the original container. Store away from food and pet food. Store in areas that are cool, dry, and well-ventilated. Exposure to temperatures at or above 130°F (54.5°C) may cause bursting. DO NOT use or store near heat, sparks, open flame, near any ignition sources, or near strong acids, bases, and oxidizers. Emptied containers may retain product residues. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
------------	-------------------------------

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber or viton).
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9.	PHYSICAL AND CHEMICAL DATA
------------	----------------------------

Appearance:	Milky emulsion
Odor:	Solvent odor.
pH:	5.87. pH measurement is for the aerosol contents less the compressed gas propellant (i.e. Non-Volatiles).
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Heavier than air.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Miscible in water. Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e. Non-Volatiles).
Density:	Not determined.
Evaporation Rate:	Not determined.
Viscosity:	6.17 CPS @ 22°C (71.6°F).
Volatile Organic Compounds (VOC):	<25.000%
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10.	STABILITY AND REACTIVITY
-------------	--------------------------

Stability:	Stable.
Conditions To Avoid:	Avoid strong acids, bases or strong oxidizers.
Incompatibility:	Not compatible with strong acids, bases or strong oxidizers.
Hazardous Decomposition Products:	Burning may result in formation of carbon monoxide, carbon dioxide and nitrogen oxides.
Hazardous Polymerization:	Will not occur.

SECTION 11.	POTENTIAL HEALTH EFFECTS
-------------	--------------------------

Acute Effects:

Eyes:	May cause temporary irritation, tearing, and blurred vision. Irritation clearing in less than 24 hours.
Skin:	May cause slight irritation. May cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). No irritation noted at 72 hours. Irritation Index = 0.04. Not considered to be a dermal sensitizer to albino guinea pigs. Dermal LD ₅₀ : >2.0 gm/kg (Albino Rabbit).
Ingestion:	May be harmful if swallowed. LD ₅₀ (Albino Rat): >5.0 gm/kg.
Inhalation:	May cause slight irritation. LC ₅₀ (Rats): >3.62 mg/L. Rats exposed for 4 hours to test atmosphere.

Subchronic Effects: None known.Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Toxic to fish.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

DO NOT puncture or incinerate container! 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 instruction. Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

RCRA/EPA Waste Information: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40 CFR 261.33) or CERCLA Hazardous list (40 CFR Part 302 Table 302.4).

SECTION 14. TRANSPORTATION

D.O.T.:	Aerosols, NonFlammable, (each not exceeding 1 L capacity), 2.2, UN 1950, Ltd Qty.
Other Shipping Description:	Insecticides or Fungicides, Liquid. NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.

PROPOSITION 65 (CA): None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.