

**Agrium Advanced Technologies**  
10 Craig Street, Brantford, Ontario, N3R 7J1  
TEL (519) 757-0077 FAX (519) 757-0080

## MATERIAL SAFETY DATA SHEET

**PRODUCT:** Pro® Aerosol Insecticide

**Transportation Emergencies:** 1-800-792-8311

**Medical Emergencies:** 1-877-615-0015

### SECTION 1 - PRODUCT INFORMATION

**P.C.P. Act Registration No.:** 16282

**Code:** 5167000

**Chemical Name:** Pyrethrins:

Piperonyl Butoxide: 3,4-Methylenedioxy-6-propylbenzyl n-butyl diethyleneglycol ether

**Synonyms:** Pyrethrins: Pyrethrum

**Chemical Family:** Botanical Pyrethroid

**Product Use:** Insecticide

**TDG Classification:** Regulated by Road/Rail/Marine Transport: Limited Quantity

**Fire Code Classification:** Level III Aerosol

### SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
Pyrethrins	0.5	8003-34-7	Oral,rat 1030 Dermal,rat >2000	5 mg/m3
Piperonyl Butoxide	4.0	51-03-6	Oral,rat 2010	-
Petroleum Distillate	90 - 95	64742-47-8	Oral,rat >5000 Dermal,rabbit >3000	300 ppm
Calculate LD50 for mixture			58,200	

### SECTION 3 - PHYSICAL DATA

**Physical State:** Liquid/Aerosol

**Specific Gravity:** No Data

**Boiling Point:** No Data

**Vapour Pressure:** No Data

**% Volatiles:** No Data

**Solubility in Water:** Insoluble

**Appearance/Odour:** Light Coloured Liquid

**pH:** No Data

**Freezing/Melting Point:** No Data

**Vapour Density:** No Data

**Evaporation Rate:** No Data

### SECTION 4 - FIRE AND EXPLOSION

**Flash Point:** No Data

**Lower Explosion Limit %:** No Data

**Autoignition Temperature:** No Data

**Upper Explosion Limit %:** No Data

**Fire Extinguishing Media:** Foam, Carbon Dioxide, Dry Chemical or Water Fog

**Fire Fighting Procedures:** Wear Self-Contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and dike the area for runoff.

**Other Fire or Explosion Hazards:** Container may explode under intense heat. Vapour is heavier than air, may flash back form a ignition source.

### SECTION 5 - REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** Prolonged exposure to elevated temperatures.

**Hazardous Polymerization:** Will Not Occur

# Pro® Aerosol Insecticide

**Incompatibility (Materials to Avoid):** Acidic or alkaline conditions may cause product to decompose.

**Hazardous Decomposition Products:** Carbon Monoxide and Carbon Dioxide

## SECTION 6 - HEALTH HAZARD DATA

**Acute Effects of Overexposure:** May cause temporary irritation to the eyes, nose, throat and respiratory tract. Prolonged exposure to vapours can cause headache, dizziness, nausea and nervous system depression.

**Effects of Chronic Exposure:** Prolonged exposure may cause defatting and drying of the skin, possibly progressing to dermatitis.

**Other Health Effects:** None Known

## SECTION 7 - FIRST AID PROCEDURES

**Inhalation:** Move victim to fresh air and restore breathing if required. OBTAIN MEDICAL ADVICE.

**Skin Contact:** Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek Medical Attention.

**Ingestion:** Give 1 to 2 glasses of water (200 to 500 ml) to dilute material. Do not induce vomiting. OBTAIN MEDICAL ADVICE. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing of vomitus. Never give anything by mouth to an unconscious person.

**Eye Contact:** Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

## SECTION 8 - PREVENTIVE MEASURES

**Respiratory Protection:** NIOSH/MSHA approved respirator

**Eye Protection:** Safety Goggles

**Skin Protection:** Chemical resistant gloves

**Other Personal Protective Equipment:** Coveralls

**Engineering Controls:** Local exhaust or ventilation

**Handling Procedures and Equipment:** Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use.

**Storage Requirements:** Store in cool, dry, well ventilated area. Keep out of reach of children and pets.

**Storage Temperature:** Min: 0 °C Max: 50 °C

## SECTION 9 - ENVIRONMENTAL PROTECTION DATA

**Spill and Leak Procedures:** Eliminate all ignition sources. Stop leak, contain spill by diking and adsorb with suitable absorbent and transfer into waste containers for disposal. Remove any contaminated soil for proper disposal.

**Waste Disposal:** Dispose of empty container with household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

**Environmental Effects:** This product is toxic to fish and wildlife. Do not contaminate local water supplies or environments.

The information contained herein is considered accurate and offered only as a guide to the handling of this specific material. This information, does not relate to its use with any other material or product or in any process. No warranty, expressed or implied is made regarding the accuracy of the data or the performance of the material by Nu-Gro Corporation Inc. This Material Safety Data Sheet is valid for three years from Issue Date.

**Prepared by:** Technical Department

**Issue Date:** Dec 2007