



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Company Name</b> Nu-Calgon Wholesaler, Inc.	<b>Phone Number</b> (314) 469-7000 / (800) 554-5499	<b>CHEMTREC</b> (800) 424-9300		
<b>Street Address</b> 2008 Altom Court	<b>City</b> St. Louis	<b>State</b> MO	<b>Postal Code</b> 63146-4151	<b>Last Update</b> 7/25/13
<b>Product Name</b> Nu-Kill II	<b>Product Number</b> 4292-75	<b>Product Use</b> Wasp & Hornet Killer		<b>EPA Registration #</b> 10807-196-65516

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous Ingredients</b>	<b>% By Wt.</b>	<b>CAS Number</b>	<b>TLV</b>	<b>PEL</b>
Hydrotreated Light Petroleum Distillates	90 - 99	64742-47-8	5 mg/m3 (mist)	5 mg/m3 (mist)
Carbon Dioxide Propellant	1-5	124-38-9	N/E	N/E
Tetramethrin	0.10	7696-12-0	N/E	N/E
Permethrin	0.25	52645-53-1	N/E	N/E
Piperonyl butoxide	0.50	51-03-6	N/E	N/E

## SECTION 3 – HAZARD IDENTIFICATION

<b>Emergency Overview:</b> CAUTION: Avoid contact with eyes. Avoid contact with clothing. KEEP OUT OF REACH OF CHILDREN
<b>Potential Health Effects</b>
<b>Eyes:</b> Mild eye irritation
<b>Skin:</b> Substance may cause slight skin irritation
<b>Ingestion:</b> Aspiration may cause chemical pneumonitis if aspirated into lungs. Nausea. vomiting.
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, anesthetic effects, nausea, respiratory depression or cholinesterase depression..
<b>Chronic Exposure:</b> Repeated and prolonged exposure to solvents may cause brain and nervous system damage, cardiac irregularities, liver and kidney injuries may occur, Lung damage or Inhibits cholinesterase
<b>Carcinogenicity:</b> None known
<b>Medical Conditions Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions

## SECTION 4 – FIRST AID MEASURES

<b>Eyes:</b> Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a poison control centre or doctor for treatment advice.
<b>Skin:</b> Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or Poison Control Centre for treatment advice.
<b>Ingestion:</b> Call a physician or Poison Control Centre immediately for treatment advice. Do not give ANY liquid to the person. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person
<b>Inhalation:</b> Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth. Call a physician or Poison Control Centre for further treatment advice.

## SECTION 5 – FIREFIGHTING MEASURES

<b>Flash Point:</b> N/A°F
<b>Autoignition Temp:</b> N/A°C/N/A°F
<b>Hazardous Products of Combustion:</b> Carbon oxides
<b>Flammable Limits in Air:</b> N/A
<b>Extinguishing Media:</b> Foamy spray. Dry chemical. Carbon dioxide (CO2).
<b>Fire and Explosion Hazards:</b> Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C)

**Special Firefighting Procedures:** Cool containers / tanks with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Prevent product from entering drains. Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Toxic to fish and other water organisms. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Take up mechanically and collect in suitable container for disposal.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** Ensure adequate ventilation, especially in confined areas. Wear personal protective equipment. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C). Do not puncture or incinerate container.

**Storage Requirements:** KEEP OUT OF REACH OF CHILDREN. Keep away from food and drink. Avoid breathing vapors or mists. Remove all sources of ignition.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Eye Protection:** Safety glasses with side-shields

**Protective Clothing:** Rubber gloves if skin is easily irritated

**Exposure Guidelines:** See section 2

**Specific Engineering Controls (such as ventilation, enclosed process):** Ensure adequate ventilation, especially in confined areas

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> Aerosol	<b>Freezing Point:</b> N/A°C/N/A°F	<b>% Volatile by Weight:</b> 0.15%
<b>Color:</b> Clear	<b>Vapor Density [air =1]:</b> Not Established.	<b>Evaporation Rate:</b> Not Established
<b>Odor:</b> Petroleum distillates	<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): 85-100.	<b>Specific Gravity:</b> 0.80
<b>Boiling Point:</b> N/A°C/N/A°F	<b>Solubility in Water:</b> Insoluble	<b>pH (concentrate):</b> N/A

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Hazardous Polymerization:** Hazardous polymerization does not occur

**Incompatibilities:** Strong oxidizing agents

**Reactive Conditions to avoid:** Heat, flames and sparks. Extremes of temperature and direct sunlight. Avoid temperatures above 122°F (50°C).

**Decomposition Products:** Carbon oxides

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD 50 of Ingredient (Specify Species)</b>	<b>LC50 of Ingredient (Specify Species)</b>
Hydrotreated Light Petroleum Distillates	64742-47-8	N/E	N/E	N/E
Tetramethrin	7696-12-0	N/E	Oral LD50 Rat: 4640 mg/kg	N/E
Permethrin	52645-53-1	N/E	Oral LD50 Rat: 383 mg/kg; Dermal LD50 Rabbit: >2 g/kg	N/E
Piperonyl butoxide	51-03-6	N/E	Oral LD50 Rat: 6150 mg/kg; Dermal LD50 Rabbit: 200 mg/kg	N/E

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
Hydrotreated Light Petroleum Distillates	N/A
Tetramethrin	N/A
Permethrin	96 Hr LC50 fathead minnow: 0.016 mg/L (flow-through)
Piperonyl butoxide	96 Hr LC50 rainbow trout (0.6 g): 0.0034 mg/L; 96 Hr LC50 bluegill (0.7 g): 0.0042 mg/L

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Should not be released into the environment. Toxic to fish and other water organisms. Dispose of in accordance with local regulations.

### SECTION 14 – TRANSPORTATION INFORMATION

**Special Shipping Information:** No Data.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
<b>DOT</b> (Land)	Consumer Commodity, ORM-D	No Data.	No Data.	No Data.
<b>IMO</b> (Water)	No Data.	No Data.	No Data.	No Data.
<b>ICAO</b> (Air)	Aerosols, Non-Flammable,	UN1950	No Data.	2.2

### SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	N/A
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	Yes - Tetramethrin, Permethrin, Piperonyl Butoxide
<b>OSHA:</b> (Occupational Safety & Health Administration)	See section 2
<b>TSCA:</b> (Toxic Substance Control Act)	Present
<b>VOC:</b> (volatile Organic Compounds)	0.15%
<b>CPR:</b> (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
<b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)	N/E
<b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List)	Present
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	No
<b>IDL:</b> (Canadian Ingredient Disclosure List)	N/E
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health=1; Fire=2; Reactivity=0 Personal protective equipment = B

### SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.