**SECTION 1 - COMPANY AND PRODUCT INFORMATION SHEET**

| MANUFACTURED FOR: | Paragon Professional Pest Control Products  
| | 3835 Knight Road, Suite 7  
| | Memphis, Tennessee 38118  
| TELEPHONE: | MF: 8:00-4:30 CST, 14:00-22:30 GMT:  
| | (800) 645-6466 or (763) 544-0341  
| FOR INFORMATION REGARDING MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS, CALL THE INTERNATIONAL POISON CENTER AT: | 1-888-740-8712  
| PRODUCT NAME: | CONQUER® Residual Insecticide Concentrate  
| PRODUCT DESCRIPTION: | Pyrethroid Insecticide Concentrate  
| CHEMICAL NAME: | Esfenvalerate  
| SYNONYM: | Evercide 2662  

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>COMPONENT(S)</th>
<th>CAS #</th>
<th>EINECS</th>
<th>EXPOSURE LIMITS</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Esfenvalerate [(S)- Cyano (3- phenoxypyphenyl) methyl 4-chloro-alpha- (1- methyl) benzeneacetate]</td>
<td>66230-04-4</td>
<td>None</td>
<td>2 mg/m³ (TWA, Skin) (supplier recommended)</td>
<td>3.48</td>
</tr>
<tr>
<td>Paraffinic, Naphthenic Solvent</td>
<td>64742-47-8</td>
<td>265-149-8</td>
<td>100ppm (25mg/m³)</td>
<td>50.00-90.00</td>
</tr>
<tr>
<td>(Supplier recommended PEL)</td>
<td></td>
<td></td>
<td>TWA</td>
<td></td>
</tr>
<tr>
<td>PEL = Permissible Exposure Limits</td>
<td></td>
<td></td>
<td>STEL = Short Term Exposure Limit (15 Min.)</td>
<td></td>
</tr>
<tr>
<td>TLV = Threshold Limit Value</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**CAUTION** May be harmful if swallowed or inhaled. Causes eye irritation. Can cause allergic skin reaction. Avoid contact with skin, eyes or clothing. Combustible Liquid. Do not use near heat or open flame.

**HEALTH EFFECTS:**

**EYES:**
Can cause irritation with discomfort, tearing and blurred vision.

**SKIN:**
Overexposure by skin contact may initially include a transient (several minutes up to approximately 24 hours) persistent burning or prickling sensation which may be accompanied by visible irritation or rash.

**INGESTION:**
May be harmful if swallowed. Overexposure by ingestion may initially include nonspecific discomfort, such as nausea, vomiting, headache, or weakness; temporary nervous system effects such as muscular weakness, tremors and incoordination. Small amounts of this material may get into the lungs during ingestion or vomiting and may cause mild to severe lung injury.

**INHALATION:**
May be harmful if inhaled. The degree of injury will depend on the airborne concentration and duration of exposure. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Individuals with preexisting diseases of the liver, kidneys, skin or peripheral nervous system may have increased susceptibility to the toxicity of excessive exposures.

**SAFETY:**
ALWAYS Wear safety glasses and appropriate personal protective equipment when handling this material.

**SEE TOXICOLOGICAL INFORMATION (section 11)**

**SECTION 4 - FIRST-AID MEASURES**

**EYES:**
Immediately flush with large amounts of water for at least 15 minutes. Call a physician.

**SKIN:**
Immediately flush affected areas with large amounts of water. Remove contaminated clothing and wash affected areas with soap and water. After drying, applying a vitamin E cream or oil containing a minimum of 15% vitamin E. If irritation persists, get medical attention. Do not reuse contaminated clothing prior to laundering. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

**INGESTION:**
May be harmful. Overexposure by ingestion may initially include nonspecific discomfort, such as nausea, vomiting, headache, or weakness; temporary nervous system effects such as muscular weakness, tremors and incoordination. Small amounts of this material may get into the lungs during ingestion or vomiting and may cause mild to severe lung injury.

**INHALATION:**
May be harmful if inhaled. If immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. If exposure is without risk. Dike or contain release, if possible, for proper disposal.

**NOTE TO PHYSICIANS:**
Treatment is supportive and symptomatic. Diazepam has been recommended to reduce the CNS effects of Esfenvalerate. Probable mucosal damage and danger of aspiration pneumonia may contraindicate the use of gastric lavage.

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

<table>
<thead>
<tr>
<th>FLASH POINT:</th>
<th>145 °F</th>
<th>METHODOLOGY:</th>
<th>TCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>This product is classified as a combustible liquid.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARDOUS COMBUSTION PRODUCTS:**

Hydrogen cyanide may be produced by thermal degradation.

**EXTINGUISHING MEDIA:**

Foam, carbon dioxide, or dry chemical.

**FIRE FIGHTING INSTRUCTIONS:**

Treat as a oil fire. Keep personnel removed and upwind of fire. Use a self-contained breathing apparatus to reduce the ONS effects of Esfenvalerate. Probable mucosal damage and danger of aspiration pneumonia may contraindicate the use of water.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:**

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**LARGE SPILL:**

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**WASTE DISPOSAL METHOD:**

Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

**SECTION 7 - HANDLING AND STORAGE**

**HANDLING:**

Do not breathe vapor or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Wash clothing after use. Discard shoes if contaminated. Do not store or consume food, drink or tobacco in areas where they may have become contaminated with this product. Wear chemically impervious gloves such as neoprene or nitrile. Wear OSHA-approved safety glasses, goggles or face shield. Wearing a respirator is not required when handling this material but recommended in absence of proper mechanical ventilation. Read and observe all precautions and instructions on the label.

**STORAGE:**

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong oxidizers. Empty containers may retain product residues.

**WORK HYGIENIC PRACTICES:**

Do not smoke, eat, drink or apply cosmetics in work area. Wash promptly if skin becomes contaminated. Wash at the end of each work shift before eating, smoking and using the toilet.

**ELECTROSTATIC ACCUMULATION:**

This product contains petroleum distillate for which there is the potential for electrostatic accumulation. Proper grounding procedures should be used when transferring this material.
**ENGINEERING CONTROLS:**
Mechanical ventilation should be used when handling this product if enclosed spaces. Local exhaust ventilation may be necessary.

**RESPIRATORY PROTECTION:**
A respirator with an organic cartridge is required when product is dispensed in a mist or vapor form.

**SKIN PROTECTION:**
Wear neoprene or nitrile gloves and protective clothing. Do not allow contact with skin.

**EYE PROTECTION:**
Wear an OSHA-Approved safety goggles, goggles or face shield.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Pale yellow-colored liquid.

**ODOOR:** Refined petroleum odor.

**PHYSICAL STATE:** Liquid.

**VAPOR PRESSURE:** Not determined.

**VAPOR DENSITY:** Not determined.

**BOILING POINT:** Not determined.

**MELTING POINT:** Not determined.

**CHEMICAL STABILITY:** Stable

**Hazardous Decomposition Products:** Hydrogen cyanide may be formed by thermal decomposition or by contact with alkaline substance such as soda ash & lye.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 10 - STABILITY AND REACTIVITY**

**Hazard Class:** None

**Flammable Range:** Not available

**Flammability:** Not available

**Diagram:** Not available

**Autoignition Temperature:** Not applicable

**Explosive Limits:** Not applicable

**Decomposition Temperature:** Not applicable

**Combustion Products:** No decomposition

**Flash Point:** Not applicable

**Evaporation Rate:** Not applicable

**Inert Gas Dilution Rate:** Not applicable

**Evaporation Rate of Inert Gas:** Not applicable

**Minimum Inhibiting Concentration:** Not applicable

**Methane Equivalent:** Not applicable

**Minimum Inhibiting Concentration (for Laughing Gas):** Not applicable

**Oxidation Sensitivity:** Not applicable

**Oxidation Temperature:** Not applicable

**Primary Hazard Phrases:** R23, R38, R37, R22

**Primary Hazard Codes:** NA

**Chemical Stability:** Stable

**Incompatibility:** Strong acidic or alkaline materials.

**SECTION 11 - TOXICOLOGY INFORMATION**

**Acute Studies:**
- **Eye:** Primary eye irritation (rabbit): Clearing in 48 hours. Conjunctival irritation.
- **Skin:** Primary skin irritation index (rabbit): Irritation index = 2.13
- **Ingestion:** Acute Oral LD50 (rat): > 2000 mg/kg
- **Inhalation:** Acute Inhalation LC50 (rat): 0.99 mg/l

**Chronic Studies:**
- **Eye:** Acute Dermal LD50 (rabbit): > 2000 mg/kg
- **Skin:** Dermal Sensitization (guinea pig): Not a sensitizer.
- **Ingestion:** Acute Inhalation LC50 (rat): 1470 mg/kg

**Hazard Class:** None

**Primary Hazard Phrases:** R23, R38, R37, R22

**Primary Hazard Codes:** NA

**Chemical Stability:** Stable

**Incompatibility:** Strong acidic or alkaline materials.

**TOXICITY TO USEFUL INSECTS:** Unknown

**SECTION 12 - ECOLOGICAL INFORMATION**

**Biodegradation:** Not available

**Chemical Degradation:** Not available

**Persistence in the Environment:** Not available

**Toxic Effects on Organisms:** This pesticide is highly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**Toxicity to Useful Insects:** Unknown

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**RCRA/CERCLA HAZARDOUS WASTE:**
- **Ingredient:** None
- **Identification Number (UN or NA):** NA 1993

**Disposal Method:** Product should be disposed of according to local, state and federal regulations. When disposing of waste or surplus avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles. Do not wash into drains. Do not mix with other waste materials.

**SECTION 14 - TRANSPORTATION INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) INFORMATION:**
- **Regulated as a hazardous material according to the Department of Transportation in bulk quantities:** Not applicable
- **Proper Shipping Name:** Combustible Liquid, N.O.S. (paraffinic, Napthenic Solvent)
- **HAZARD CLASS:** Combustible Liquid
- **IDENTIFICATION NUMBER (UN OR NA):** NA 1993
- **PACKING GROUP:** III

**INTERNATIONAL TRANSPORTATION REGULATIONS:**
- **IATA/IACO DESCRIPTION:** Not considered hazardous by IATA
- **IMDG CODE:** Not considered hazardous by IATA
- **Regulations for transportation via air:** Regulations for transportation via vessel.

**SECTION 15 - REGULATORY INFORMATION**

**EUROPEAN COMMUNITY:**
- **Risk Phrases:** R23, R38, R37, R22
- **EINECS:** See Section 2

**U.S. FEDERAL REGULATIONS:**
- **SARA TITLE III:** Not listed
- **SECTION 302:** This product contains the following toxic chemicals of the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:
- **SECTION 313:**
  - **CAS# 66230-04-4**
  - **Chemical Name:** Esfenvalerate [(S)-Cyano (3-phenoxyphenyl) methyl -chloro-alpha-(1-methylthyl) benzenecacetate]
  - **% by Weight:** 3.48

**HMIS RATINGS:**
- **Health:** 2
- **Flammability:** 2
- **Reactivity:** 1

The data contained herein is based on information currently available to MGK company, and believed to be factual and the opinions expressed to be those of qualified; however, this data is not to be taken as a warranty or representation for which MGK Company assumes legal responsibility.

**Material Safety Data Sheet prepared by T.A. Lennan**

**Revision date 2/2/00**