Section 1 - Product and Company Identification

Product Identifiers:

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Spectracide Malathion Insect Spray Concentrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Registration Number:</td>
<td>46515-19-8845</td>
</tr>
<tr>
<td>Product Use:</td>
<td>Insecticide – Flying &amp; Crawling Bug, Non-aerosol</td>
</tr>
</tbody>
</table>

Details of the Supplier of the Safety Data Sheet:

<table>
<thead>
<tr>
<th>Manufacturer/Supplier:</th>
<th>Chemsico</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Division of United Industries Corp.</td>
</tr>
<tr>
<td></td>
<td>P.O. Box 142642</td>
</tr>
<tr>
<td></td>
<td>St. Louis, MO 63114-0642</td>
</tr>
<tr>
<td>For product information:</td>
<td>1-800-917-5438</td>
</tr>
<tr>
<td>For medical emergencies:</td>
<td>1-800-633-2873</td>
</tr>
</tbody>
</table>

Section 2 - Hazards Identification


GHS Classification of Substance or Mixture:

- Physical Hazards GHS Classification: Flammable liquid – Category 3
- Health Hazards GHS Classification:
  - Acute oral toxicity – Category 4
  - Primary eye irritant – Category 2B
  - Primary skin irritant – Category 3

GHS Label Elements:

- Hazard pictogram[s]:
  - Flammable liquid
  - Eye irritant
- Signal word: WARNING
- Hazard statements:
  - Harmful if swallowed
  - Causes eye irritation
  - Causes skin irritation
- Precautionary Statements:
  - Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection.
  - Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when using product. If swallowed: Call a poison control center or doctor for treatment advice if you feel unwell. Rinse mouth.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Section 3 - Composition / Information on Ingredients
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Weight Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malathion</td>
<td>121-75-5</td>
<td>50.0%</td>
</tr>
<tr>
<td>Light aromatic naptha</td>
<td>64742-95-6</td>
<td>44.0%</td>
</tr>
</tbody>
</table>

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

### Section 4 - First Aid Measures

**Eye contact:**
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. Call a poison control center or doctor for treatment advice.

**Skin contact:**
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.

**Inhalation:**
No special requirements

**Ingestion:**
Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Notes to physician:**
This product contains a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may also be given in conjunction with Atropine. May pose an aspiration pneumonia hazard. Contains petroleum distillates.

**General advice:**
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

### Section 5 - Fire Fighting Measures

**Flammable properties:**
Flammable liquid – category 3. Flashpoint = 121°F.

**Suitable extinguishing media:**
Water fog, foam, CO₂, dry chemical

**Unsuitable extinguishing media:**
Not available

**Specific hazards arising from the chemical:**
Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.

**Protective equipment for firefighters:**
Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Hazardous combustion products:**
None known

**Sensitivity to mechanical impact:**
None known

**Explosion data:**
Not available

**Sensitivity to static discharge:**
Not available

**Personal precautions:**
Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers.
or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions: Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Wear personal protective equipment. Wash thoroughly after handling.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.

Storage: Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingsstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Exposure Limits</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
<td>ppm</td>
</tr>
<tr>
<td>Malathion</td>
<td>TWA</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Light aromatic naphtha</td>
<td>TWA</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Engineering controls: General ventilation normally adequate.

Personal protective equipment:
Eye/Face protection:  During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.

Skin and body protection:  Wash hands after handling.

Respiratory protection:  Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations:  Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

### Section 9 - Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Color</td>
<td>Light yellow to brown</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic solvent</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>3.5</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>121°F</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density @ 20°C</td>
<td>1.037</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>% Volatile organic compounds</td>
<td>44 (as packaged)</td>
</tr>
</tbody>
</table>

### Section 10 - Chemical Stability & Reactivity Information

**Reactivity**

**Conditions to avoid:**  Do not mix with other chemicals.

**Incompatible materials:**  Avoid strong oxidizers.

**Chemical stability**

**Product stability:**  Stable under recommended storage conditions.
Safety Data Sheet
Spectracide Malathion Insect Spray Concentrate

Hazardous decomposition products: None known
Possibility of hazardous reactions: Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation: Causes moderate eye irritation (EPA tox. category III)
Primary skin irritation: May cause irritation (EPA tox. category III)
Acute dermal: LD<sub>50</sub> > 2000 mg/kg (EPA tox. category III)
Acute inhalation: LC<sub>50</sub> > 2 mg/L (EPA tox. category IV)
Acute oral: LD<sub>50</sub> > 500 mg/kg (EPA tox. category III)
Sensitization: Not a skin sensitizer.
Chronic effects: No data available
Carcinogenicity: No data available
Mutagenicity: No data available
Reproductive effects: No data available
Teratogenicity: No data available
Ecotoxicity: No data available

Section 12 - Ecological Information

Environmental effects: No data available
Aquatic toxicity: Toxic to aquatic organisms.
Persistence / degradability: No data available
Bioaccumulation / accumulation: No data available
Partition coefficient: No data available
Mobility in environmental media: No data available
Chemical fate information: No data available

Section 13 - Disposal Considerations

Waste codes: Not available
Disposal instructions: Dispose in accordance with all applicable regulations.
Waste from residues/unused products: Not available
Contaminated packaging: Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT): UN-1993, Flammable Liquid, N.O.S. (petroleum naptha, light aromatic), Limited Quantity, 3, III
IATA: UN-1993, Flammable Liquid, N.O.S. (petroleum naptha, light aromatic), Limited Quantity, 3, III
IMDG: UN-1993, Flammable Liquid, N.O.S. (petroleum naptha, light aromatic), Limited Quantity, 3, III
Section 15 - Regulatory Information

   29 CFR 1910.1200 hazardous chemical
   Occupational Safety and Health
   Administration (OSHA): No
   CERCLA (Superfund) reportable
   quantity: Not available

Hazard categories
   Superfund Amendments and Reauthorization Act of 1986 (SARA):
   Immediate Hazard No
   Delayed Hazard No
   Fire Hazard No
   Pressure Hazard No
   Reactivity Hazard No

   Section 302 extremely hazardous
   Substance: No
   Section 311 hazardous chemical: No
   Clean Air Act (CAA): Not available
   Clean Water Act (CWA): Not available
   State regulations: None

FIFRA labeling: This chemical is a pesticide product registered by the Environmental Protection
Agency and is subject to certain labeling requirements under federal pesticide law. 
These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. 
Following is the hazard information as required on the pesticide label:

   Signal word: CAUTION
   Precautionary statements: Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye
   irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and
   water after handling. Remove and wash contaminated clothing before reuse. Wash
   hands thoroughly before eating, drinking, chewing gum, using tobacco or using the
   toilet.

   To protect the environment, do not allow pesticide to enter or run off into storm
   drains, drainage ditches, gutters or surface waters. Applying this product in calm
   weather when rain is not predicted for the next 24 hours will help ensure that wind
   or rain does not blow or wash pesticide off treatment area. Rinsing application
   equipment over the treated area will help avoid runoff to water bodies or drainage
   systems. This product is highly toxic to bees exposed to direct treatment or
   residues on blooming crops or weeds. Do not apply this product or allow it to drift
   to blooming crops or weeds if bees are visiting the treatment area.

   Combustible: Do not use or store near heat or open flame.

   Notification status: All ingredients of this product are listed or are excluded from listing on the U.S.
   Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

   California Prop. 65: This product contains a chemical known to the state of California to cause cancer.

   Disclaimer: Information contained herein was obtained from sources considered technically
   accurate and reliable. While every effort has been made to ensure full disclosure of
product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**SECTION 16 - OTHER INFORMATION**

- **HMIS ratings:** Health Hazard 2  Flammability 2  Physical Hazard 1
- **Item number(s):** HG-30900; HG-60900
- **Formula number(s):** 21-0283
- **Issue date:** 6/8/2016
- **Prepared by:** Spectrum Group  
  Division of United Industries Corp.  
  P.O. Box 142642  
  St. Louis, MO 63114-0642  
  (800) 242-1166