**Material Safety Data Sheet**

**I Trade Name:** Schultz™ Malathion Concentrate

**Product Type:** Liquid dilutable insecticide concentrate

**Product Item Number:** 10474  **Formula Code Number:** 21-0283

**EPA Registration Number:** 46515-19-39609  **Manufacturer:** Chemsico  
Division of United Industries Corporation  
8494 Chapin Industrial Drive  
St. Louis, MO 63114  **Emergency Telephone Numbers:**  
For Chemical Emergency: 1-800-633-2873  
For Information: 1-800-257-2941  
Prepared by: C. A. Duckworth  
Date Prepared: August 8, 2003

**II Hazards Ingredient/Identity Information**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malathion</td>
<td>50.0</td>
<td>NE</td>
<td>10 mg/m³</td>
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</table>

**Chemical Identity:** (0,0-dimethyl phosphorodithioate of diethyl marcapto succinate)  
CAS# 121-75-5

**Chemical PEL:** OSHA PEL  
OSHA's Permissible Exposure Limit (OSHA PEL) is the maximum concentration of the substance allowed, averaged over an 8 hour work-day, or a 40 hour work-week (40 CFR 1910.95).  
ACGIH TLV  
ACGIH [Threshold Limit Values](https://www.acgih.org) (ACGIH TLV) is the maximum concentration of the substance that, it is believed, do not present a health hazard to the worker over a 50 year working lifetime.

**III Physical and Chemical Characteristics**

| Appearance & Odor                  | Clear, amber liquid with a characteristic odor. |
| Boiling Point                     | NA |
| Melling Point                     | NA |
| Vapor Pressure                    | NA |
| Specific Gravity                  | 1.03 (H₂O = 1) |
| Vapor Density                     | ND |
| % Volatile                       | ND |
| Solubility in Water               | Emulsifiable |

**IV Fire and Explosive Hazards Data**

- **Flash Point:** 102° F, TCC  
- **Flammable Limits:** NA  
- **Autoignition Temperature:** NA  
- **Fire Extinguishing Media:** Foam, carbon dioxide, dry chemical & water.  
- **Decomposition Temperature:** NA  
- **Special Fire-Fighting Procedures:** Fight fire upwind. Avoid heavy hose streams. Dike area to prevent water run-off. Firemen should wear self-contained breathing apparatus and rubber clothing. After fire, firemen should shower and change clothing. Decontaminate used clothing with liquid chlorine bleach.  
- **Unusual Fire and Explosion Hazards:** Vapor and fumes from fire are hazardous. Evacuate people downwind from fire.

**V Reactivity Data**

- **Stability:** Stable  
- **Polymerization:** Will not occur  
- **Conditions to Avoid:** Storage at elevated temperatures (above 120° F) leads to non-hazardous decomposition. Keep away from heat and open flame.  
- **Incompatible Materials:** Do not store with strong alkalis and strong oxidizers.  
- **Hazardous Decomposition or Byproducts:** Thermal decomposition may produce carbon monoxide, carbon dioxide, sulfur dioxide and/or phosphorus trioxide.

**VI Health Hazard Data**

- **Ingestion:** Harmful if swallowed. Call a Poison Control Center or doctor immediately. Do not give any liquid. 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. **NOTE TO PHYSICIAN:** This product contains a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may also be given in conjunction with atropine. **Skin Contact:** Harmful if absorbed through skin. Flush skin with plenty of water for at least 15-20 minutes. Remove contaminated clothing and shoes. Call a physician. **Eye Contact:** Cause eye irritation. Avoid contact. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice. **Inhalation Toxicity:** Harmful if inhaled. Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a Poison Control Center or doctor for treatment advice. **Health conditions Aggravated by Exposure:** None known  
**Ingredients listed by NTP, OSHA, or IARC as Carcinogens or Potential Carcinogens:** None

**VII Precautions for Safe Handling and Use**

- **Steps to be Taken in Case Material is Released or Spilled:** Avoid breathing vapors. Avoid contact with liquid. Soak up with absorbent material. Wash exposed area thoroughly with light bleach and water solution.  
  **Waste Disposal:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.  
- **Handling & Storage Precautions:** Keep in original container. Store in cool, dry place, preferably in a locked storage area inaccessible to children. Do not store diluted spray. Do not store near heat or flame.

**VIII Control Measures**

- **Read and follow label directions.** They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

**IX Transportation Data**

- **DOT Shipping Name:** Not Regulated by DOT  
- **DOT Hazard Class:** None

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The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.