

Spectrum Group  
 Division of United Industries  
 P. O. Box 142642  
 St. Louis, MO 63114-0642

Hazardous Material Identification System – (HMIS)	
HEALTH – 2	REACTIVITY – 0
FLAMMABILITY – 1	PERSONAL – None

# Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

<b>I Trade Name:</b> Spectracide® Malathion Insect Spray Concentrate			
<b>Product Type:</b> Liquid dilutable insecticide concentrate			
<b>Product Item Number:</b> 11000		<b>Formula Code Number:</b> 21-0283	
<b>EPA Registration Number</b>	<b>Manufacturer</b>		<b>Emergency Telephone Numbers</b>
46515-19-8845	Chemsico Division of United Industries Corporation 8494 Chapin Industrial Drive St. Louis, MO 63114		<b>For Chemical Emergency:</b> 1-800-633-2873 <b>For Information:</b> 1-800-332-5553 <b>Prepared by:</b> C. A. Duckworth <b>Date Prepared:</b> August 27, 2001
<b>II Hazards Ingredient/Identity Information</b>		<b>III Physical and Chemical Characteristics</b>	
<b>Chemical</b> Malathion (0,0-dimethyl phosphorodithioate of diethyl marcaptosuccinate) CAS# 121-75-5	<b>%</b> 50.0	<b>OSHA PEL</b> NE	<b>ACGIH TLV</b> 10 mg/m <sup>3</sup>
		<b>Appearance &amp; Odor:</b> Clear, amber liquid with a characteristic odor. <b>Boiling Point:</b> NA <b>Melting Point:</b> NA <b>Vapor Pressure:</b> NA <b>Specific Gravity:</b> 1.03 (H <sub>2</sub> O = 1) <b>Vapor Density:</b> ND <b>% Volatile (by vol.):</b> ND <b>Solubility in Water:</b> Emulsifiable <b>Evaporation Rate:</b> ND	
<b>IV Fire and Explosive Hazards Data</b>		<b>V Reactivity Data</b>	
<b>Flash Point:</b> 102° F, TCC <b>Flammable Limits:</b> NA <b>Autoignition Temperature:</b> NA <b>Fire Extinguishing Media:</b> Foam, carbon dioxide, dry chemical & water. <b>Decomposition Temperature:</b> NA <b>Special Fire-Fighting Procedures:</b> 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. <b>Unusual Fire and Explosion Hazards:</b> Vapor and fumes from fire are hazardous. Evacuate people downwind from fire.		<b>Stability:</b> Stable <b>Polymerization:</b> Will not occur <b>Conditions to Avoid:</b> Storage at elevated temperatures (above 120° F) leads to non-hazardous decomposition. Keep away from heat and open flame. <b>Incompatible Materials:</b> Do not store with strong alkalis and strong Oxidizers. <b>Hazardous Decomposition or Byproducts:</b> Thermal decomposition may produce carbon monoxide, carbon dioxide, sulfur dioxide and/or phosphorus trioxide.	
<b>VI Health Hazard Data</b>		<b>VII Precautions for Safe Handling and Use</b>	
<b>Ingestion (Swallowing):</b> Harmful if swallowed. <b>First Aid:</b> Do not induce vomiting. Get medical attention. <b>NOTE TO PHYSICIAN:</b> This product contains a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may also be given in conjunction with atropine. <b>Skin Contact:</b> Harmful if absorbed through skin. <b>First Aid:</b> Flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. <b>Eye Contact:</b> Cause eye irritation. Avoid contact. <b>First Aid:</b> Flush eyes with plenty of water for at least 15 minutes. Call a physician. <b>Inhalation Toxicity:</b> Harmful if inhaled. Use with adequate ventilation. Avoid breathing spray mist. <b>First Aid:</b> Remove victim to fresh air. <b>Health conditions Aggravated by Exposure:</b> None known <b>Ingredients listed by NTP, OSHA, or IARC as Carcinogens or Potential Carcinogens:</b> None		<b>Steps to be Taken in Case Material is Released or Spilled:</b> Avoid breathing vapors. Avoid contact with liquid. Soak up with absorbent material. Wash exposed area thoroughly with light bleach and water solution. <b>Waste Disposal:</b> Do not reuse empty container. Securely wrap original container in several layers of newspaper and discard in trash. <b>Handling &amp; Storage Precautions:</b> 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.	
<b>VIII Control Measures</b>		<b>IX Transportation Data</b>	
Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.		<b>DOT Shipping Name:</b> Not Regulated by DOT <b>DOT Hazard Class:</b> None	

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.