

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 – 2

PERSONAL – None

Material Safety Data Sheet

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

I Trade Name: Spectracide® Malathion Insect Spray Concentrate

Product Type: Liquid dilutable insecticide concentrate

Product Item Number: 60900; HG-30900

Formula Code Number: 21-0283

EPA Registration Number

Manufacturer

Emergency Telephone Numbers

46515-19-8845

Chemsico
Division of United Industries Corporation
8494 Chapin Industrial Drive
St. Louis, MO 63114

For Chemical Emergency: 1-800-633-2873
For Information: 1-800-917-5438
Prepared by: C. A. Duckworth
Date Prepared: July 6, 2012

II Hazards Ingredient/Identity Information

Chemical	%	OSHA PEL	ACGIH TLV
Malathion (0,0-dimethyl phosphorodithioate of diethyl marcaptosuccinate) CAS# 121-75-5	50.0	NE	10 mg/m ³
Xylene Range Aromatic Solvent CAS# 64742-95-6	42.5	NE	NE

III Physical and Chemical Characteristics

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

In ha

V Reactivity Data

Flash Point: 120° 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.

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 (Swallowing): Harmful if swallowed. **First Aid:** Immediately call a Poison Control Center or doctor. Do not give any liquid to the person. 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. **First Aid:** Remove contaminated clothing. Rinse Skin immediately for 15-20 minutes. Call for further treatment advice. **Eye Contact:** Causes eye irritation. **First Aid:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes and continue rinsing eye. Call for further treatment advice. **Inhalation Toxicity:** Harmful if inhaled. **First Aid:** Move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth-to-mouth. Call for further treatment advice. Have the product container with you when calling a Poison Control Center or doctor or going for treatment advice.

Health conditions Aggravated by Exposure: None known
Ingredients listed by NTP, OSHA, or IARC
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:
Nonrefillable container: do not refill or reuse. If empty: Place in trash or offer for recycling if available. If partially filled: Call local waste agency 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: Environmentally Hazardous Substance, Liquid, N.O.S. (Malathion), Limited Quantity, Class 9, UN-3082, PG-III **IMDG:** 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Malathion), Limited Quantity, Marine Pollutant, Class 9, PG-III **IATA:** 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Malathion), Class 9, PG-III

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