

# SA-50 Brand MALATHION 25% WP MATERIAL SAFETY DATA SHEET

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## Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.  
P.O. Box 218, Palmetto, Fla. 34220

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## I NOMENCLATURE

**Product Name:** MALATHION 25% Wettable Powder EPA Reg. No.829-75  
**Chemical Name:** O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate  
**Synonyms:** Malathion, Cythion  
**Chemical Family:** Organophosphate pesticide

## II INGREDIENTS

Malathion	25.0%	CAS No.121-75-5	TLV. 10mg/M <sup>3</sup>
Fuller's Earth (Clay)	49.0%	CAS No. Not available	
(1%-3% free silica)			T.L.V. 10 mg/M <sup>3</sup>
Kaolinite (clay)	21.0%		PEL 50 mppcf
Inerts and Wetting agents	5.0%		

## III PHYSICAL PROPERTIES

**Boiling Point:** NA  
**Percent Volatile:** negligible  
**Evaporation Rate:** ( not available )  
**Reactivity in Water:** Stable pH 2-7  
**Appearance/Odor:** Yellowish-brown powder, characteristic mercaptan like odor.

**Density:** (compression) 44 lb./ft<sup>3</sup>  
**Vapor Density:** (air=1) NA  
**Solubility In Water:** Slight-145 ppm (disperses)

## IV FIRE AND EXPLOSION DATA

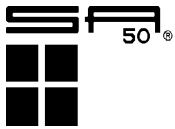
**Flash Point:** 325 °F Min  
**Flammable Limits:** Lel >NA Uel <NA  
**Extinguishing Media:** CO<sub>2</sub>, dry chemical, foam, or water spray. A water stream may spread flames.  
**Special Fire Fighting Procedures:** Fight fire upwind. Dike to prevent water runoff. Firemen should wear self contained breathing apparatus and rubber clothing. After fire, firemen should shower and change clothing. Decontaminate used clothing with liquid chlorine bleach.  
**Unusual Fire & Explosion Hazards:** Vapors and fumes are hazardous. Evacuate people downwind from fire. Vapors can form explosive mixtures with air.

## V FIRST AID

**First Aid for EYE Exposure:** Flush with water for 15 minutes and consult a physician.  
**First Aid for SKIN Exposure:** Wash with soap and water. Change to clean clothing. Scrub finger nails clean with soap and water. Get medical attention if skin irritation persists.  
**First Aid for INHALATION:** Remove victim to fresh air. Restore breathing if necessary. Get medical attention if symptoms persist or exposure severe.  
**First aid if SWALLOWED:** Rinse mouth with water. Drink one or two glasses of water and induce vomiting by touching finger to back of throat. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Atropine is antidotal.  
**SYMPTOMS of OVER-EXPOSURE:** Weakness, headache, tightness of chest, blurred vision, non-reactive pin-point pupils, excessive salivation, excessive sweating, nausea, vomiting, diarrhea, and abdominal cramps. If symptoms of poisoning occur, get prompt medical attention. Atropine is antidotal.

## VI REACTIVITY

**Stability:** X Stable  
**Conditions to Avoid:** Broken or leaking containers, Temperatures above 120°F, open flames.  
**Materials to Avoid:** Strong alkalis and strong oxidizers.  
**Hazardous Decomposition Products:** Carbon monoxide, sulfur dioxide, phosphorus trioxide, oxides of nitrogen.  
**Hazardous Polymerization:** X Does not Occur;



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### VII SPILL OR LEAK PROTECTION

**Steps To Be Taken If Spilled:** Wear appropriate protective clothing and equipment. Recover by sweeping or vacuum and place in disposal container. Treat contaminated area with full strength liquid household bleach. Let stand for 15 minutes and repeat procedure. Flush treated area with water.

**Waste Disposal:** Dispose of material in accord with Federal, State, and local regulations.

### VIII SPECIAL PROTECTION

**Respiratory:** Type/Conditions; Avoid breathing dust or spray mist. For repeated, prolonged, or commercial use wear a NIOSH-approved chemical cartridge or full face respirator with pesticide canisters.

**Ventilation:** General (acceptable) Local Exhaust (Preferable)

**Gloves:** X Yes      **Type of Gloves:** Clean Neoprene Rubber

**Eye Protection:** X Yes

**Other Protective Equipment:** freshly laundered clothing daily.

### IX SPECIAL PRECAUTIONS

**Handling Precautions:** Avoid damage to containers. Do not handle damaged or leaking containers without protective equipment. Wash thoroughly after handling and before eating or smoking.

**Storing Precautions:** Do not store with feed or food-stuffs. Do not store in warehouses where temperatures exceed 120°F for extended periods. Do not smoke in storage area. Keep storage area free from ignition sources.

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product, READ THE LABEL.

Last revised: 5/93