

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Spectracide® Malathion Insect Spray Concentrate

Other Means of Identification:

Product Code HG-30900; HG-60900
Formula Number 21-0283
EPA Reg. Number 46515-19-8845

Recommended Use: Insecticide - Lawn & Garden

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name Spectrum Group, Division of United Industries Corporation
Address PO Box 142642, St. Louis, MO 63114-0642
Telephone Number 1-800-645-5154

Emergency Telephone Number:

CHEMTREC (800)424-9300
Medical (866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s) Flammable Liquid - Category 3
Health Hazard(s) Aspiration Toxicity - Category 1
Eye Irritation - Category 2B
Skin Irritation - Category 2
Specific Target Organ Toxicity (Single Exposure) - Category 3

Label Elements:

Hazard Pictogram(s)



Signal Word

DANGER

Hazard Statements:

Flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes eye irritation
Causes skin irritation
May cause respiratory irritation or may cause drowsiness or dizziness

Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wash hands thoroughly after handling. Wear protective gloves.
Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse/wash skin with plenty of water/shower. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.
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 attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Dispose of contents in accordance with all local, state/provincial and federal regulations. For more information see product label.

Hazard(s) not Otherwise Classified (HNOC): No additional information available

Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Malathion	n/a	121-75-5	50
Solvent naptha (petroleum), light aromatic	n/a	64742-95-6	<50
Dodecylbenzenesulfonic acid, branched, calcium salts	n/a	70528-83-5	<2

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact: In case of contact, wash skin with plenty of water for 15 minutes. If skin irritation or redness develops, seek medical attention.

Eye Contact: In case of contact, flush eyes with plenty of water for 15 minutes. Remove contact lenses, if worn. If irritation persists, get medical attention.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed: Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.

Indication of Immediate Medical Attention & Special Treatment Needed: If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Treat for surrounding material.
Unsuitable Extinguishing Media: None known.
Specific Hazards Arising from the Chemical: Products of combustion may include, and are not limited to: oxides of carbon.
Special Protective Equipment and Precautions for Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning Up: Contain and/or absorb spill with inert material. Scoop up material and place in a disposable container. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate personal protective equipment (PPE).
Environmental Precautions: Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. Wear protective gloves. When using do not eat, drink or smoke. Wash hands thoroughly after handling.
Conditions for Safe Storage, Including any Incompatibilities: Keep out of reach of children. Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Malathion	-	15	-	1	-	-
Solvent naphtha (petroleum), light aromatic	TWA 500	TWA 2000	-	200 (as total hydro-carbon vapor)	-	-

Appropriate Engineering Controls: General ventilation should be adequate for all normal use.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: None required for normal use. Avoid eye contact.
 Skin and body protection: Wear protective gloves. Avoid skin contact.

Respiratory protection: Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Clear, light yellow to amber liquid

Odor: Mercaptan, aromatic solvent

Odor Threshold: No data available

pH: 3.49

Melting / Freezing Point: No data available

Initial boiling point and range: No data available

Flashpoint: 49°C

Evaporation Rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: 1.034-1.046

Solubility(ies): Insoluble in water

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal storage conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Heat. Incompatible materials.

Incompatible materials: None known.

Hazardous decomposition products: May include, and are not limited to oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: May cause respiratory irritation or may cause drowsiness or dizziness

Ingestion: May be fatal if swallowed and enters airways. May cause stomach distress, nausea or vomiting.

Skin contact: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Eye contact: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>2000 mg/kg	>2000 mg/kg	>2 mg/l

Eye Contact: This product is an eye irritant.

Skin Contact: This product is a skin irritant.

Sensitization: Based on available data, the classification criteria are not met.

**Chronic Effects-
Carcinogenicity:**

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
Malathion 121-75-5	IARC - 2A

Reproductive Toxicity: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.

STOT-single exposure: This product is classified as STOT-SE, category 3.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: This product is an aspiration hazard.

Comment: All information was generated using the GHS classification criteria for mixtures and test data where available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Per GHS, this product is classified as a category 1 aquatic acute toxicant and a category 1 chronic aquatic toxicant.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state/provincial and federal regulations. For more information see product label.

Section 14 - TRANSPORTATION INFORMATION

DOT: UN Number: UN1993
Proper Shipping Name: Flammable liquids, n.o.s.
Technical Name: Solvent naptha (petroleum), light aromatic
Hazard Class: 3
Packing Group: III
Limited Quantity: ≤5L
Marine Pollutant: Yes (Malathion)

IATA: UN Number: UN1993
Proper Shipping Name: Flammable liquids, n.o.s.
Technical Name: Solvent naptha (petroleum), light aromatic
Hazard Class: 3
Packing Group: III
Limited Quantity: ≤5L

IMDG: UN Number: UN1993
Proper Shipping Name: Flammable liquids, n.o.s.
Technical Name: Solvent naptha (petroleum), light aromatic
Hazard Class: 3
Packing Group: III
Limited Quantity: ≤5L
Marine Pollutant: Yes (Malathion)

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 46515-19-8845

Federal Insecticide, Fungicide, Rodenticide Act Regulations

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

EPA Pesticide Label

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

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

FIRST AID: If Swallowed: Immediately call a Poison Control Center or doctor. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. **If on Skin or Clothing:** 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. **If in Eyes:**

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 eye. Call a Poison Control Center or doctor for treatment advice.

NOTE 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 distillate. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5438 for emergency medical treatment advice.

ENVIRONMENTAL HAZARDS: 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 to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS: Combustible: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage and disposal. **Pesticide Storage:** This product should be stored in the original unopened container in a secure, dry place. Do not contaminate with other pesticides or fertilizers. The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F). **Pesticide Disposal:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry). Never place unused product down any indoor or outdoor drain. **Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

EPA TSCA Inventory: All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

CERCLA Section 103: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name & CAS Number	Chemical RQ (lbs)	Concentration in Product	Product RQ (lbs)
Malathion 121-75-5	100	50%	200

SARA Hazard Category (311/312): See OSHA hazards listed in section 2.

SARA 313: Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Threshold Value %
Malathion	121-75-5	0.1

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): WARNING: 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

Issue date: July 16, 2019
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