
Section 1 - Product and Company Identification

Product Identifiers:

Product Name:	Spectracide Malathion Insect Spray Concentrate
EPA Registration Number:	46515-19-8845
Product Use:	Insecticide – Flying & Crawling Bug, Non-aerosol

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier:	Chemsico Division of United Industries Corp. P.O. Box 142642 St. Louis, MO 63114-0642
For product information:	1-800-917-5438
For medical emergencies:	1-800-633-2873

Section 2 - Hazards Identification

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture:

Physical Hazards GHS Classification	Flammable liquid – Category 3
Health Hazards GHS Classification	Acute oral toxicity – Category 4 Primary eye irritant – Category 2B Primary skin irritant – Category 3

GHS Label Elements:

Hazard pictogram(s):	 
Signal word:	WARNING
Hazard statements:	<ul style="list-style-type: none">• Harmful if swallowed• Causes eye irritation• Causes skin irritation

Precautionary Statements:

- Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection.
- Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when using product. If swallowed: Call a poison control center or doctor for treatment advice if you feel unwell. Rinse mouth.
- If in eyes: Rinse cautiously with soap and water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- 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/advice.

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS#	Weight Percent
Malathion	121-75-5	50.0%
Light aromatic naphtha	64742-95-6	44.0%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

Section 4 - First Aid Measures

Eye contact:	Hold eye 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. Call a poison control center or doctor for treatment advice.
Skin contact:	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.
Inhalation:	No special requirements
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.
Notes 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 distillates.
General advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties:	Flammable liquid – category 3. Flashpoint = 121°F.
Suitable extinguishing media:	Water fog, foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers

or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions: Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Wear personal protective equipment. Wash thoroughly after handling.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.

Storage: Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

Components with Occupational Exposure Limits							
		Exposure Limits					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Malathion	TWA	-----	15 (Skin)	-----	15 (skin)	Not listed	
Light aromatic naptha	TWA	Not listed		Not listed		Not listed	

Engineering controls: General ventilation normally adequate.

Personal protective equipment:

Eye/Face protection:	During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.
Skin and body protection:	Wash hands after handling.
Respiratory protection:	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance:	Clear
Color:	Light yellow to brown
Physical state:	Liquid
Odor:	Aromatic solvent
Odor threshold:	No data available
pH:	3.5
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	121°F
Evaporation rate:	No data available
Flammability limits in air, lower, % by volume:	No data available
Flammability limits in air, upper, % by volume:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density @ 20°C:	1.037
Octanol/water coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Solubility:	Insoluble in water
% Volatile organic compounds:	44 (as packaged)

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Do not mix with other chemicals.
Incompatible materials:	Avoid strong oxidizers.

Chemical stability

Product stability:	Stable under recommended storage conditions.
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Other

Hazardous decomposition products: None known
Possibility of hazardous reactions: Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation: Causes moderate eye irritation (EPA tox. category III)
Primary skin irritation: May cause irritation (EPA tox. category III)
Acute dermal: LD₅₀ > 2000 mg/kg (EPA tox. category III)
Acute inhalation: LC₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral: LD₅₀ > 500 mg/kg (EPA tox. category III)
Sensitization: Not a skin sensitizer.
Chronic effects: No data available
Carcinogenicity: No data available
Mutagenicity: No data available
Reproductive effects: No data available
Teratogenicity: No data available
Ecotoxicity: No data available

Section 12 - Ecological Information

Environmental effects: No data available
Aquatic toxicity: Toxic to aquatic organisms.
Persistence / degradability: No data available
Bioaccumulation / accumulation: No data available
Partition coefficient: No data available
Mobility in environmental media: No data available
Chemical fate information: No data available

Section 13 - Disposal Considerations

Waste codes: Not available
Disposal instructions: Dispose in accordance with all applicable regulations.
Waste from residues/unused products: Not available
Contaminated packaging: Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT): UN-1993, Flammable Liquid, N.O.S. (petroleum naphtha, light aromatic), Limited Quantity, 3, III
IATA: UN-1993, Flammable Liquid, N.O.S. (petroleum naphtha, light aromatic), Limited Quantity, 3, III
IMDG: UN-1993, Flammable Liquid, N.O.S. (petroleum naphtha, light aromatic), Limited Quantity, 3, III

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical

Occupational Safety and Health

Administration (OSHA): No

CERCLA (Superfund) reportable

quantity: Not available

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate Hazard No

Delayed Hazard No

Fire Hazard No

Pressure Hazard No

Reactivity Hazard No

Section 302 extremely hazardous

Substance: No

Section 311 hazardous chemical: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Not available

State regulations: None

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

Signal word: CAUTION

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

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

Combustible: Do not use or store near heat or open flame.

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: 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

HMS ratings:	Health Hazard 2 Flammability 2 Physical Hazard 1
Item number(s):	HG-30900; HG-60900
Formula number(s):	21-0283
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