



Atlanta, GA / Dallas, TX

# Safety Data Sheet

## Malathion Fogging Concentrate

### Section 1 Identification

**Trade Name:** Malathion Fogging Concentrate  
**Product Identification:** 6131  
**Synonyms:** Solvent blend  
**Product Use Description:**  
Insecticide

**General Info Phone:** (800) 795-9222  
**Emergency Phone:** (800) 535-5053

**Supplier:**  
**ABC COMPOUNDING CO. INC.**  
6970 JONESBORO RD  
Morrow, GA 30260

### Section 2 Hazards Identification

#### Classifications

Flammable liquids - Category 3  
Aspiration Hazard - Category 1  
Eye Irritation - Category 2  
Skin Irritation - Category 2  
Specific Target Organ Toxicity (single exposure) - Category 3



Flammable



Health Hazard



Irritant

**Signal Word:** Danger

#### Hazard Statements

Keep out of reach of children.  
Read label and SDS before use.  
May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.  
Causes skin and serious eye irritation.  
Flammable liquid and vapor.

#### Precautionary Statements

##### Prevention

Avoid breathing fumes  
Wash hands thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves.  
Wear eye or face protection.  
Contaminated clothing must not be allowed out of the workplace.  
Keep away from heat, sparks, open flames and hot surfaces. ☐ -No smoking.  
Use explosion-proof electrical/ventilating/lighting/handling/process equipment.  
Use only non-sparking tools. Take precautionary measures against static discharge.  
Keep cool.  
Keep container tightly closed.

#### Response

**Trade Name:** Malathion Fogging Concentrate  
**SDS ID:** SDS03567 6131

**SDS #:** 6131  
**Revision #** 1

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**Revision Date** 02/12/2016



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IF SWALLOWED: Immediately call a poison center. Do NOT induce vomiting.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical attention.  
Take off contaminated clothing and wash before reuse.  
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 or doctor if you feel unwell.  
IN CASE OF FIRE: Use carbon dioxide, foam or dry chemical to extinguish.

#### Storage

Keep container tightly closed. Ground/bond container and receiving equipment.  
Store locked up in a well-ventilated place.

#### Disposal

Dispose of contents and container in accordance with all local, regional, and national regulations.

#### Hazards Not Otherwise Specified

Not applicable

### Section 3 Composition

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration</u> <u>% by Weight</u>
Hydrotreated Petroleum Distillate	64742-47-8	$\geq 50 \leq 65$
Kerosene	8008-20-6	$\approx 25 \leq 35$
Malathion	121-75-5	$\approx 2.5$

### Section 4 First Aid

#### EMERGENCY OVERVIEW

DANGER. Flammable/combustible liquid. Harmful or fatal if swallowed. Aspiration hazard if swallowed. Vapor harmful. Keep away from heat and flame. Can cause nervous system depression.

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.

SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical attention. Take off contaminated clothing and wash it before reuse.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

INGESTION: Harmful or fatal if swallowed. Seek medical attention immediately. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

### Section 5 Fire Fighting Measures



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### Suitable fire extinguishing media:

Use water spray, fog or foam.

### Specific hazards arising from the chemical:

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Runoff to sewer may create fire hazard.

### Hazardous thermal decomposition products:

Carbon Dioxide, Carbon Monoxide

### Specific fire-fighting methods:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### Special protective equipment for fire fighters:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

## Section 6 Accidental Release Measures

### Personal precautions:

Put on appropriate personal protective equipment (see section 8)

### Environmental precautions and clean-up methods:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

## Section 7 Handling and Storage

Do not get in eyes, on skin or on clothing. Avoid breathing sprays and vapors. Avoid skin contact. Keep out of reach of children.

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Ground/bond container and receiving equipment. Use explosion-proof ventilating and equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

## Section 8 Exposure Controls/Personal Protection

### Hydrotreated Petroleum Distillate

OSHA PEL	100 ppm
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### Kerosene

ACGIH TLV	200 mg/m3
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### Malathion

ACGIH TLV	1 mg/m3
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OSHA PEL	15 mg/m3
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**Eye Protection:** Wear safety glasses or goggles.

**Skin Protection:** To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).

**Respiratory Protection:** When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

**Engineering Controls:** Good general ventilation required.

### Section 9 Physical and Chemical Properties

Property	Value		
Appearance	CLEAR LIQUID	Auto Ignition Temp	NOT AVAILABLE
Boiling Point	NOT AVAILABLE	Color	COLORLESS
Decomposition Temperature	NOT AVAILABLE	Evaporation Rate	NOT AVAILABLE
Explosive Limit Ranges	NOT AVAILABLE	Explosive Properties	NOT AVAILABLE
Flash Point	105 F	Melting/Freezing Point	NOT AVAILABLE
Odor	SOLVENT	Odor Threshold	NOT AVAILABLE
Other Information	VOC content (wt. %): < 35	Oxidizing Properties	NOT AVAILABLE
Partition Coeff	NOT AVAILABLE	Physical State	LIQUID
Relative Density	0.8	Solubility (Water)	INSOLUBLE
Vapor Density	NOT AVAILABLE	Vapor Pressure	NOT AVAILABLE
Viscosity	NOT AVAILABLE	pH	NOT APPLICABLE

### Section 10 Stability and Reactivity

<b>Reactivity :</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Chemical Stability :</b>	Stable under normal conditions.
<b>Incompatible Materials :</b>	Acids, strong oxidizers.
<b>Conditions to Avoid :</b>	High temperatures, open flames, sparks, welding.
<b>Decomposition Products:</b>	CO, CO2

Vapors may ignite at temperatures exceeding flash point.

### Section 11 Toxicological Information

**Primary Route of Entry:** Skin contact, inhalation, ingestion

**Acute/Potential Health Effects:**

**EYES:** May cause serious eye irritation. Symptoms include stinging, tearing and redness.

**SKIN:** May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of skin and skin burns.

**INHALATION:** High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.

**INGESTION:** Harmful or fatal if swallowed. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

**Chronic / Long Term Effects:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Signs and Symptoms of Overexposure: Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).



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**Target Organ Effects:** Central nervous system.

**Reproductive/Developmental Information:** Not available.

**Carcinogenic Information:** This material is not listed as a carcinogen by IARC, NTP or OSHA.

**Acute Toxicity Values:**

Malathion: LC50 Inhalation (rat): >5.2 mg/L / 4 Hrs

LD50 Oral (rat): 5500 mg/kg

LD50 Dermal (rat): >2000 mg/kg

## Section 12 Ecological Information

Malathion:

Fish - 96-Hr LC50, Rainbow Trout (*Salmo gairdneri*) = 0.18 mg/L

37-day NOEC, Rainbow Trout (*Salmo gairdneri*) = 21 µg/L

Invertebrates - 48-hr EC50, Daphnids (*Daphnia magna*) = 0.72 mg/L

21-day NOEC, Daphnids (*Daphnia magna*) = 0.06 µg/L

Algae - 72-Hr LC50, Green Algae (*Selenastrum capricornutum*) = 4.06 mg/L

Birds - LD50, Bobwhite quail (*Colinus virginianus*) = 359 mg/kg

5-day dietary LC50, Bobwhite quail (*Colinus virginianus*) = 3497 mg/kg

Earthworms - 14-day LC50, *Eisenia foetida foetida* = 613 mg/kg soil

Bees -LD50, worker honey-bees, acute oral = 0.38 µg/bee

LD50, worker honey-bees, topical = 0.27 µg/bee

## Section 13 Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

## Section 14 Transport Information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**NOT REGULATED FOR GROUND DOMESTIC NON-BULK SHIPMENTS**

## Section 15 Regulatory Information

**CERCLA RQ (40 CFR 302)**

**Malathion**

**100 lb**

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65)**

**Malathion**

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.



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If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

**Title III Section 311/312** Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire (X) Pressure ( ) Reactive ( ) Not Applicable ( )

**T.S.C.A. Status:** All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**RCRA Status:** Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s)

D001

**FIFRA information**

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Signal word: CAUTION. Hazard statement: Harmful if swallowed or absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

## Section 16 Other Information

**HMIS Ratings :**

<b>HEALTH</b>	2
<b>FLAMMABILITY</b>	2
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	G

Disclaimer: This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

Preparation/Revision Date: 2/12/16