


MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: <i>Green Light Malathion 50%</i> <i>Green Light Malathion 50%</i> <i>Green Light Malathion 50%</i>	Size 8 oz. Pint Quart	Prod # 02708 02716 02732	
GENERAL USE: Insecticide PRODUCT DESCRIPTION: Clear brown to colorless liquid, characteristic mercaptan odor.			EPA Reg. No. 869-27

MANUFACTURER'S NAME Green Light Company	DATE PREPARED: March 4, 2002 SUPERSEDES: December 15, 2001	Page 1 of 4
ADDRESS (NUMBER, STREET, P.O. BOX) P.O. Box 17985	TELEPHONE NUMBER FOR INFORMATION (210) 494-3481	
(CITY, STATE AND ZIP CODE) San Antonio, TX 78217-0985	COUNTRY USA	EMERGENCY TELEPHONE NUMBER Infotrac (800) 535-5053 Outside USA (352) 323-3500
DISTRIBUTOR'S NAME Same		
ADDRESS (NUMBER, STREET, P.O. BOX)	TELEPHONE NUMBER FOR INFORMATION	
(CITY, STATE AND ZIP CODE)	COUNTRY	EMERGENCY TELEPHONE NUMBER

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M ³	PPM	MG/M ³		
Malathion (a)	121-75-5	39		15		10	Yes	
Petroleum distillate, aromatic	64742-95-6	50	400	1600				
(a) See Section 15								

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Avoid breathing mist and/or vapor. May cause eye and skin irritation. Do not get in eyes or on skin. Wash thoroughly after handling. Wear goggles or face shield, rubber gloves, and protective clothing when handling. Hazard symbols - Xn. Risk phrase - R22							
POTENTIAL HEALTH EFFECTS INHALATION: Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes. Prolonged inhalation of this product may cause ulcers to the upper respiratory tract SKIN: Contact with skin may cause irritation, dermatitis. EYES: Contact with eyes may cause pain and irritation. Repeated contact with eyes may cause severe irritation.							
INGESTION: This substance is slightly toxic to internal organs if swallowed. Signs and symptoms of cholinesterase inhibition may include, but may not be limited to, headache, dizziness, weakness, nausea, vomiting, diarrhea, constriction of the pupil of the eye, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating and abdominal cramps.							
<table style="width: 100%; border: none;"> <tr> <td style="border: none;">CARCINOGENICITY</td> <td style="border: none; text-align: center;">NTP?</td> <td style="border: none; text-align: center;">No</td> <td style="border: none; text-align: center;">IARC MONOGRAPHS?</td> <td style="border: none; text-align: center;">No</td> <td style="border: none; text-align: center;">OSHA REGULATED?</td> <td style="border: none; text-align: center;">No</td> </tr> </table>	CARCINOGENICITY	NTP?	No	IARC MONOGRAPHS?	No	OSHA REGULATED?	No
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SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

SKIN: Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

EYES: Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

INGESTION: If swallowed, call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water or milk. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

167° F (75° C) TCC

FLAMMABLE LIMITS

LEL: 1.0%

UEL: 6.0%

AUTOIGNITION TEMPERATURE:

Not determined

NFPA CLASS: II

GENERAL HAZARDS: Product is considered combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES

Firefighters must wear full facepiece self-contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material is combustible!

HAZARDOUS COMBUSTION PRODUCTS

Smoke, toxic fumes, oxides of carbon

SECTION 6 - ENVIRONMENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COMBUSTIBLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway. Refer to SARA Title III, Section 313.40 CFR 372 for detailed instructions concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: This material is combustible. It should be stored in tightly closed containers in a cool, well ventilated area. Vapor may form explosive mixtures in air. All sources of ignition should be controlled. This material may be classified as COMBUSTIBLE by DOT unless transported by vessel or aircraft. Refer to 49 CFR 173.120. Keep this and other chemicals out of reach of children. Avoid inhaling concentrated fumes or vapors.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment. See Section 2 for Component Exposure Guidelines.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds standard workplace limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.

EYE PROTECTION: Protective eyeglasses or chemical safety goggles as described in 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA Inventory.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

Health, acute, chronic

313 Reportable Ingredients:

(a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of SARA Title III of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CERCLA (Comprehensive Response Compensation and Liability Act)

None

EPA (Environmental Protection Agency)

Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved label copy. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

EC Risk Phrases

R22 Harmful if swallowed

EC Safety Phrases

S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S25 Avoid contact with eyes.

SECTION 16 - OTHER INFORMATION

No specific notes

HMIS HAZARD RATINGS

HEALTH

2

0 = INSIGNIFICANT

3 = HIGH

FLAMMABILITY

2

1 = SLIGHT

4 = EXTREME

REACTIVITY

0

2 = MODERATE

PERSONAL PROTECTIVE EQUIPMENT

C

Safety Glasses, Gloves, Apron

REVISION SUMMARY:

This MSDS has been revised in the following sections:

Section 14

Transportation information

Section 15

WHMIS DSL / NDSL information

MSDS Prepared by: Comprehensive Data Base, Inc.

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.