

Material Safety Data Sheet

Product Name: Acme/Gordon's MALATHION 50% Spray

MSDS No.: 893-5

Version No.: 012

EPA Registration No.: 33955-394

1. Basic Information:

Manufacturer: PBI/Gordon Corporation
Address: 1217 West 12th Street
City, State Zip: Kansas City, MO 64101-1407
Information Contact: Environmental, Health, & Safety Dept.
Information Telephone Number: (816)421-4070
Emergency Contact: Chemtrec
Emergency Telephone Number: (800)424-9300

Last Update: 8/10/00

Chemical State: ☒ Liquid ☐ Gas ☐ Solid
Chemical Type: ☐ Pure ☒ Mixture



2	Health
2	Flammability
0	Reactivity
B	Pers. Protection

2. Ingredients:

☐ Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313 SUB Z	OSHA PEL	ACGIH TLV	Other Limits
			NTP							
95636	1,2,4-Trimethylbenzene	12.3%	N	N	N	N	Y	NI	25 ppm	25 ppm
98828	Cumene	0.6%	N	N	N	Y	Y	50 ppm	50 ppm	50 ppm
100414	Ethyl benzene	0.2%	N	N	N	Y	N	100 ppm	100 ppm	100 ppm
121755	Malathion	50.0%	N	N	N	Y	Y	15 mg/m3	10 mg/m3	10 mg/m3
64742956	Petroleum solvent	24.2%	N	N	N	Y	N	500 ppm	NI	50 ppm
1330207	Xylenes	1.2%	N	N	N	Y	Y	100 ppm	100 ppm	100 ppm

3. Hazardous Identification:

Hazard Category:

☒ Acute ☒ Chronic ☒ Fire ☐ Pressure ☐ Reactive

Hazardous Identification Information:

4. First Aid Measures:

Route(s) of Entry:

Contact, inhalation, ingestion.

Health Hazards (Acute and Chronic):

EYES: Contact may cause irritation and/or burning.

SKIN: Contact may cause irritation. .

INHALATION: May be irritating to respiratory tract.

INGESTION: May be irritating to gastrointestinal tract.

CHRONIC EFFECTS: Repeated or prolonged overexposure to solvents may effect liver and kidneys. Continuous overexposure to organophosphates may cause flu-like illness. Acute poisoning may cause dizziness, nausea, diarrhea and sweating.

Signs and Symptoms:

Continuous overexposure to organophosphates may cause flu-like illness. Acute poisoning may cause dizziness, nausea, diarrhea and sweating.

Medical Conditions Generally Aggravated by Exposure:

NI

First Aid Measures (Continued)

Emergency First Aid Procedure:

IF SWALLOWED: Call a physician or Poison Control Center immediately. Contains petroleum solvent. Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips to prevent aspiration, and monitor for breathing difficulty.

IF IN EYES: Flush eyes with plenty of water. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

Other Health Warnings:

NOTE TO PHYSICIAN: Malathion upon repeated, prolonged or careless exposure may cause cholinesterase inhibition. Atropine is antidotal. Aromatic solvent may present aspiration hazard. Gastric lavage is indicated if product was swallowed.

5. Fire Fighting Measures:

Flash Point: 106°F

F.P. Method:

Lower Explosive Limit: NI

Upper Explosive Limit: NI

Fire Extinguishing Media:

Dry chemical, foam, CO2, water.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and full protective clothing. Prevent pesticide contamination of surface water by fire control runoff.

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Fire Fighting Measures (Continued)

If water is contaminated, advise local authorities. Decontaminate emergency personnel with soap and water before leaving the fire area.

Unusual Fire and Explosion:
NI

6. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

See Section 8 for Personal Protective Equipment. Collect spilled material into containers for reuse or disposal. Cover and label the containers. Wash the area with soap and water. Absorb the water with absorbent material, and collect into container for disposal. Do not allow wash water to contaminate water supplies.

7. Handling and Storage:

Precautions to be Taken:

Store in original container in a locked storage area inaccessible to children and domestic animals.

Other Precautions:
NI

8. Exposure Controls/Personal Protection:

Ventilation Requirements:
Good local ventilation.

Personal Protective Equipment:

PROTECTIVE CLOTHING: Long sleeves and pants; chemical resistant gloves and shoes.

EYE PROTECTION: Safety glasses with side shields, or goggles.

RESPIRATORY PROTECTION: If exposure limits may be exceeded, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

9. Physical and Chemical Properties:

Boiling Point: 300°F

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): <1

Vapor Pressure (mm Hg.): <16@20°C

Vapor Density (Air = 1): >1

Specific Gravity (H2O = 1): 1.05100

Solubility in Water: Emulsifiable.

Appearance and Odor: Light yellow liquid; mercaptan odor

Other Information:

Density: 8.7 pounds/gallon

10. Stability and Reactivity:

Stability:

May be unstable at >120 degrees F, leading to non-hazardous decomposition. High heat causes rapid decomposition. Reaction with strong base may generate excessive heat.

Incompatibility (Materials to Avoid):

Strong alkalis and strong oxidizers.

Decomposition/By-Products:

Burning may produce hydrogen sulfide, methyl mercaptan, dimethyl sulfide, and oxides of sulfur, carbon and phosphorus.

Stability and Reactivity (Continued)

Hazardous Polymerization:
Will not occur.

11. Toxicological Information:

Dermal LD50 (rabbit): 4100 mg/kg body weight.

Oral LD50 (rat): >2000 mg/kg body weight.

12. Ecological Information:

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwater.

This product 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 if bees are visiting the treatment area.

13. Disposal Considerations:

PESTICIDE DISPOSAL: Securely wrap container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash

Dispose of drum(s), absorbent material and waste according to Local, State and Federal regulations.

14. Transport Information:

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Department.

Freight Class: Insecticides, NOI - NMFC Class #102120

In our current available sizes, under DOT regulations, this product must be labeled and described as:

CONSUMER COMMODITY, ORM-D

15. Regulatory Information:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: 200 pounds of the formulation which contains 100 pounds of Malathion

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None
SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard, Fire Hazard

SECTION 313 TOXIC CHEMICALS: Tirmethybenzene CAS# 95-63-6, Cumene CAS# 98-82-8, Ethyl benzene CAS# 100-41-4, Malathion CAS# 121-75-5, Xylenes CAS# 1330-20-7

RCRA STATUS: When discarded in its purchased form, this product is a listed RCRA hazardous waste and should be managed as a hazardous waste. (40 CFR Part 261.20-24)

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16. Other Information:

REASON FOR ISSUE: To revise MSDS to the ANSI Z400.1-1998 format

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations.

Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.