

Material Safety Data Sheet

Product Name: Gordon's VAPONA Insecticide Dairy Cattle Spray

MSDS No.: 965-2

Version No.: 009

EPA Registration No.: 2217-332

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



2	Health
2	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 7/20/00

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

2. Ingredients:

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
62737	Dimethyl-2,2-dichlorovinyl phosphate (Dichlorvos)	1.0%	N	N	Y	Y	N	N	1 mg/m3	0.9 mg/m3	1 mg/m3
8008206	Kerosene	74.0%	N	N	N	N	N	NI	NI	NI	100 ppm
64741442	Mineral Seal Oil	24.0%	N	N	N	N	N	NI	NI	NI	NI

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 burning.

SKIN: Contact may be moderately irritating to the skin.

INHALATION: May be irritating to the respiratory system.

INGESTION: May be irritating to gastrointestinal tract. If product is swallowed, it is an aspiration hazard; can enter and damage the lungs.

CHRONIC: Repeated or prolonged overexposure to solvents may effect liver, kidneys, nervous system, and cause flu-like illness.

Signs and Symptoms:

Acute poisoning symptoms include dizziness, nausea, diarrhea and sweating.

Medical Conditions Generally Aggravated by Exposure:

NI

Emergency First Aid Procedure:

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person.

First Aid Measures (Continued)

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

Other Health Warnings:

NOTE TO PHYSICIAN: This product is an organophosphate insecticide which is a cholinesterase inhibitor. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

5. Fire Fighting Measures:

Flash Point: 143°F **F.P. Method:**

Lower Explosive Limit: 1.1°

Upper Explosive Limit: NI

Fire Extinguishing Media:

Foam, CO2, Dry chemical.

Special Fire Fighting Procedures:

Wear positive-pressure breathing apparatus and full protective clothing. Product may be ignited by heat, sparks, flames. Containers may explode in the heat of fire. Use the same precaution that would be used with any petroleum base solvent.

Unusual Fire and Explosion:

Prevent contamination of surface water from fire-control runoff. If pollution occurs, contact local authorities.

6. Accidental Release Measures:

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Accidental Release Measures (Continued)

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

Do not touch spilled material. See Section 8 for Personal Protective Equipment. Contain and collect the spilled material using an inert absorbent. Collect into drums for disposal; cover and label drums. Wash the area with water, if possible.

7. Handling and Storage:

Precautions to be Taken:

STORAGE: Store in original container in a locked storage area inaccessible to children or pets. To prevent cross-contamination, keep separate from other pesticides, fertilizers, seeds, food and feed.

Other Precautions:

PHYSICAL OR CHEMICAL HAZARDS:

Do not use or store near heat or open flame.

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

Good local ventilation, or mechanical exhaust.

Personal Protective Equipment:

WARNING: May be fatal if swallowed, inhaled, or absorbed through skin. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating or smoking.

Wear clean, natural rubber gloves, protective clothing and goggles, face shield or equivalent. Wear a pesticide respirator jointly approved by the Mine Safety and Health Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

PROTECTIVE CLOTHING: Wear long sleeves and pants; chemical-resistant gloves and shoes with socks.

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

RESPIRATORY PROTECTION: If exposure limits may be exceeded, wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a NIOSH approved respirator with any R, P or HE filter.

9. Physical and Chemical Properties:

Boiling Point: >340°F

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): 0.02

Vapor Pressure (mm Hg.): 0.4@20°C

Vapor Density (Air = 1): 4.5

Specific Gravity (H2O = 1): 0.81000

Solubility in Water: Not soluble.

Appearance and Odor: Colorless liquid; kerosene odor.

Other Information:

Density: 6.75 pounds/gallon

10. Stability and Reactivity:

Stability:

Stable.

Incompatibility (Materials to Avoid):

None known.

Decomposition/By-Products:

If burned, gases such as HCl, CO₂ and phosphorous oxides may be liberated.

Stability and Reactivity (Continued)

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

No toxicological data available.

12. Ecological Information:

This pesticide is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas.

Do not contaminate water by cleaning of equipment or disposal of wastes.

13. Disposal Considerations:

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Cover and mark containers. Dispose of DOT drum, waste water, and any other 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 Dept.

Freight Class: Insecticides, NOI - NMFC #102120

In our current available sizes, this product does not qualify as a Hazardous Material.

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: 1000 pounds of the formulation which contains 10 pounds of Dichlorvos

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:

Dichlorvos CAS# 63-25-2

SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: Dichlorvos CAS# 63-25-2

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, 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. (40 CFR 261.20-24)

16. Other Information:

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

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Other Information (Continued)

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.