

Material Safety Data Sheet

Product Name: Gordon's VEGEMEC Vegetation Killer

MSDS No.: 918-6

Version No.: 012

EPA Registration No.: 33955-454-2217

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: 12/2/2002

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 SUB Z	OSHA PEL	ACGIH TLV	Other Limits
			NTP							
95636	1,2,4-Trimethylbenzene	15.25%	N	N	N	N	Y	NI	25 ppm	25 ppm
1610180	2,4-bis(Isopropylamino)-6-methoxy-s-triazine	3.60%	N	N	N	N	N	NI	NI	NI
94757	2,4-Dichlorophenoxyacetic acid (2,4-D)	1.00%	N	N	Y	Y	Y	10 mg/m3	10 mg/m3	10 mg/m3
8008206	Kerosene	28.60%	N	N	N	N	N	NI	NI	100 ppm
64742956	Petroleum solvent	40.22%	N	N	N	Y	N	500 ppm	NI	50 ppm
126738	Tributyl phosphate	<3.00%	N	N	N	Y	N	5 mg/m3	2.2 mg/m3	2.5 mg/m
1330207	Xylene (mixed isomers)	1.43%	N	N	N	Y	Y	100 ppm	100 ppm	100 ppm

3. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for carcinogenicity in humans.) The US EPA has given the chlorophenoxy herbicides 2,4-D, 2,4-DP, MCPP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.

4. First Aid Measures:

Route(s) of Entry:

Skin contact, Inhalation, Ingestion.

Health Hazards (Acute and Chronic):

EYES: Corrosive. Causes severe irritation and burning.

SKIN: Corrosive. Moderately to severely irritating to the skin; may be absorbed through the skin.

INHALATION: Moderately irritating to the mucous membranes. Inhalation of sprays may cause burning sensations in the respiratory tract, resulting in coughing. Overexposure by inhalation may cause cardiac sensitization, including arrhythmias and death due to cardiac arrest.

INGESTION: May cause vomiting, with pain in the chest and abdomen,

First Aid Measures (Continued)

and diarrhea.

CHRONIC EFFECTS: Repeated or prolonged overexposure to solvents may cause damage to liver and kidneys; and permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Overexposure may cause systemic toxicity, including adverse effects to blood, CNS, eyes and fetus.

REPRODUCTIVE TOXICITY: This product contains a component(s) which may cause adverse reproductive and/or developmental effects. Pregnant women may be at an increased risk from exposure. Consumption of alcoholic beverages may enhance toxic effects.

Signs and Symptoms:

Inhalation may cause burning in the chest, with coughing. Prolonged inhalation sometimes causes dizziness. Ingestion usually leads to vomiting.

Medical Conditions Generally Aggravated by Exposure:

Individuals with chronic skin disease or known sensitivity to chlorophenoxy compounds should either avoid using them or take strict precautions to avoid contact. (respirator, gloves, etc.)

Emergency First Aid Procedure:

IN CASE OF EYE CONTACT: Wash with water for at least 15 minutes and seek medical attention.

IN CASE OF SKIN CONTACT: Wash with plenty of soap and water. Get medical attention if skin irritation persists.

IF INGESTED: Do not induce vomiting. Drink milk, egg whites or gelatin; if not available, drink plenty of water. Avoid alcohol.

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First Aid Measures (Continued)

IF INHALED: Remove victim to fresh air.

NOTE TO PHYSICIAN: There is not specific antidote; if ingested, do not induce emesis and take care to avoid aspiration of stomach contents during gastric lavage. Give a saline laxative and supportive therapy.

Other Health Warnings:

Note to physician: Contains petroleum solvents. If this product is ingested, do not induce vomiting; avoid aspiration of stomach contents during gastric lavage.

5. Fire Fighting Measures:

Flash Point: 135°F F.P. Method: PM Closed Cup

Lower Explosive Limit: NI

Upper Explosive Limit: NI

Fire Extinguishing Media:

Foam, CO₂, and dry chemical.

Special Fire Fighting Procedures:

Wear positive-pressure breathing apparatus and full protective clothing. Fight fire from maximum distance. Stay up wind and out of low areas.

Unusual Fire and Explosion:

May be ignited by heat, sparks or flame. Burning may generate poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

6. Accidental Release Measures:

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 absorb spilled material on Dri-Rite, sand or other inert absorbent. Collect into drums; cover and label for disposal. Flush 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 and pets. Do not store near food or feedstuffs. To prevent cross-contamination, do not store near fertilizers, insecticides, fungicides, or near seeds. Do not contaminate feed or foodstuffs.

Other Precautions:

Do not use or store near heat or open flame.

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

Good local ventilation is recommended; mechanical ventilation may be used if exposure limits may be exceeded.

Personal Protective Equipment:

DANGER: Corrosive. Causes eye and skin irritation. Do not get in eyes, on skin or clothing. May cause allergic skin reaction. When using this product, wear long-sleeved shirt, long pants, socks, shoes, chemical resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection. Wear goggles or face shield when handling. Harmful or fatal if swallowed. Do not breathe spray mist.

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

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

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

Exposure Controls/Personal Protection (Continued)

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: >240°F

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1) : <1

Vapor Pressure (mm Hg.): <10@25°C

Vapor Density (Air = 1): >1

Specific Gravity (H₂O = 1): 0.87470

Solubility in Water: Emulsifiable.

Appearance and Odor: Amber liquid; solvent odor.

Other Information:

Density: 7.28 pounds/gallon

Viscosity: 2-4 cp

10. Stability and Reactivity:

Stability:

Stable.

Incompatibility (Materials to Avoid):

None known.

Decomposition/By-Products:

May produce gases such as HCl when burning.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

Acute dermal LD50: >2010 mg/kg (rabbit)

Oral LD50: >2430 mg/kg (rats)

12. Ecological Information:

ENVIRONMENTAL HAZARDS:

This product is toxic to fish. Drift or runoff may adversely affect nontarget plants. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Apply this product only as specified on this label.

13. Disposal Considerations:

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

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

14. Transport Information:

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

Freight Class: Herbicides, NOI - NMFC #50320

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

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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: 6993 pounds of the formulation which contains 100 pounds of Xylene

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: 2,4-D CAS# 94-75-7, Xylene 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 261.20-24)

16. Other Information:

REASON FOR ISSUE: To revise Sections 2, 5, 9, 15.

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.