

Material Safety Data Sheet

Product Name: Gordon's BARRIER Ornamental Landscaping Herbicide

MSDS No.: 512-6

Version No.: 014

EPA Registration No.: 2217-675

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



1	Health
1	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 11/21/00

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						
1194656	2,6-Dichlorobenzonitrile (Dichlobenil)	4%	N	N	N	N	N	NI	NI	NI	
14808607	Quartz	7.5%	N	Y	Y	Y	N	0.1 mg/m3	.05 mg/m3	.05 mg/m3	

3. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Buff granules.
Irritant.

4. First Aid Measures:

Route(s) of Entry:

Contact, inhalation, ingestion.

Health Hazards (Acute and Chronic):

EYES: May be slightly to moderately irritating.

SKIN: May cause dermal irritation.

INHALATION: May cause respiratory irritation.

INGESTION: May irritate gastrointestinal tract.

Signs and Symptoms:

Inactivity; sedation.

Medical Conditions Generally Aggravated by Exposure:

NI

Emergency First Aid Procedure:

EYES: Flush contaminating chemicals from eyes with clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.

SKIN: Remove contaminated clothing. Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse.

INHALATION: Remove victim to fresh air. Administer artificial respiration if necessary. If irritation persists, seek medical attention.

INGESTION: Call a physician or Poison Control Center immediately.

First Aid Measures (Continued)

Drink one or two glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

Other Health Warnings:

NI

5. Fire Fighting Measures:

Flash Point: NI F.P. Method:

Lower Explosive Limit: NI

Upper Explosive Limit: NI

Fire Extinguishing Media:

Foam, CO2, Dry chemical, Water.

Special Fire Fighting Procedures:

Wear positive pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion:

Burning product may produce irritating or poisonous gases. Runoff 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:

See Section 8 for Personal Protective Equipment. Contain spill and collect for reuse or disposal. Collect into drums; cover and label drums for reuse or proper disposal. Flush area with water if possible.

7. Handling and Storage:

Precautions to be Taken:

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original bag in a locked storage area inaccessible to children or pets. Storage area should be cool and dry. Keep bag tightly closed. Reseal bag by rolling down top to product level and taping or clipping. Do not store near seeds, bulbs, or in greenhouses.

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Handling and Storage (Continued)

Other Precautions:

Engineering Controls:
For granular formulations that may be applied from enclosed cabs or aircraft: When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

Personal Protective Equipment:

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves when mixing or loading, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 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: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1) : NI

Vapor Pressure (mm Hg.): NI

Vapor Density (Air = 1): NI

Specific Gravity (H₂O = 1): 0.00000

Solubility in Water: Very slightly soluble.

Appearance and Odor: Buff color granules; no odor.

Other Information:

NI

10. Stability and Reactivity:

Stability:

Stable.

Incompatibility (Materials to Avoid):

Extreme heat causes the dichobenzil to sublime or evaporate.

Decomposition/By-Products:

None known.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

Dermal LD50: >1350 mg/kg body weight.

Oral LD50: >3160 mg/kg body weight.

12. Ecological Information:

Cover, collect, or incorporate granules spilled on the soil surface. 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. Do not contaminate water when disposing of equipment washwater.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in groundwater contamination.

13. Disposal Considerations:

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by State and local authorities by burning. If burned stay out of smoke.

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.

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: 2500 pounds of the formulation which contains 100 pounds of Dichlobenil

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None
SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard
SECTION 313 TOXIC CHEMICALS: None

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

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are

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Other Information (Continued)

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.