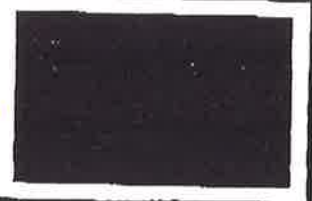


**MSDS NUMBER:** 512-6    **VERSION NO.:** 009  
**PRODUCT NAME:** **BARRIER<sup>®</sup>**  
**CAS NUMBER:** 0  
**CHEMICAL NAME:** Herbicide  
**EPA Reg. No.** 2217-675.

**Ornamental Landscaping Herbicide**

HEALTH: 1  
 FIRE: 1  
 REACTIVITY: 0

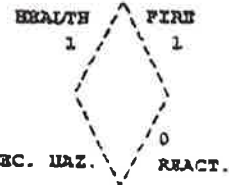


**SECTION I**

**MANUFACTURER:** FBI/Gordon Corporation  
**ADDRESS:** 1217 West 12th Street  
 Kansas City, MO 64101  
**EMERGENCY TELEPHONE NUMBER:** (800) 424-9300  
**INFORMATION TELEPHONE NUMBER:** (816) 421-4070  
**DATE PREPARED:** 11/29/93

**HMIS RATINGS:**

**HEALTH:** 1  
**FIRE:** 1  
**REACTIVITY:** 0  
**PERSONAL PROTECTION:** B



**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

CAS NUMBER	HAZARDOUS COMPONENT	MFPS	IARC	SUB-PART/2	AAA	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT
1194-65-6	2,6-Dichlorobenzonitrile (Dichlobenzil)	N	M	N	N	NI	NI		4.00

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING POINT</b>	NI	<b>SPECIFIC GRAVITY (H2O = 1)</b>	0.00000
<b>VAPOR PRESSURE (mm Hg.)</b>	NI	<b>MELTING POINT</b>	NI
<b>VAPOR DENSITY (AIR = 1)</b>	NI	<b>EVAPORATION RATE (Butyl Acetate = 1)</b>	NI

**SOLUBILITY IN WATER:** Very slightly soluble.

**APPEARANCE AND ODOR:** Buff color granules; no discernible odor.

**OTHER INFORMATION:**

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** >212 deg. F

**FLAMMABLE LIMITS:** LEL: NI

UEL: NI

**EXTINGUISHING MEDIA:**

Foam, CO2, Dry chemical, Water.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear positive pressure breathing apparatus and full protective clothing.

**UNUSUAL FIRE FIGHTING PROCEDURES:**

Burning product may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Extreme heat.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION VI - HEALTH HAZARD DATA**

**ROUTE(S) OF ENTRY:**

Contact, inhalation, ingestion.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

**EYES:** May be slightly to moderately irritating.

**SKIN:** May cause dermal irritation. Dermal LD50: >1350 mg/kg.

**INHALATION:** May cause respiratory irritation.

**INGESTION:** May irritate gastrointestinal tract. Oral LD50: >3160 mg/kg.

**SIGNS AND SYMPTOMS OF EXPOSURE:** Inactivity; sedation.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NI

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** Flush contaminating chemicals from eyes with copious amounts of 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.

**SECTION VI - HEALTH HAZARD DATA (Cont.)**

**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.

**OTHER HEALTH WARNINGS:** NI

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Wear protective clothing, chemical resistant gloves and shoes, safety glasses or goggles, and if exposure limits may be exceeded, a dust/mist respirator, NIOSH/MSHA approval no. TC-21C. 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. Absorb wash water for disposal.

**WASTE DISPOSAL METHOD:**

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

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Store in original container in a locked area, inaccessible to children and pets. Do not allow cross-contamination of pesticides, fertilizers, seeds, feed or food. Keep container tightly closed. Storage area should be cool and dry.

**OTHER PRECAUTIONS:** Pesticide wastes are toxic. Do not contaminate water supplies with rinsate from equipment clean-up or spill control. Do not apply directly to water.

**SECTION VIII - CONTROL MEASURES**

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

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** If recommended exposure limits may be exceeded, wear a respirator for dust/mist, NIOSH/MSHA approval number TC-21C.

**PROTECTIVE CLOTHING:** Wear long sleeves and pants, chemical-resistant gloves and shoes.

**EYE PROTECTION:** Safety glasses or safety goggles.

**SECTION IX - ADDITIONAL INFORMATION**

**ADDITIONAL MANUFACTURER WARNINGS:**

ISCA Status: Exempt.

Recommended Hazard Summary (Defined by 29 CFR 1910.1200):  
Immediate health hazard.

**NOTE:** NI means not indicated.

**OTHER PRECAUTIONS AND COMMENTS:**

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.