

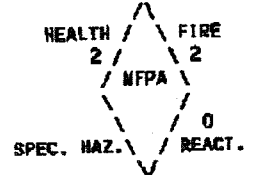
**MATERIAL SAFETY DATA SHEET**

MSDS NUMBER: 785-6  
 PART NUMBER: 785  
 PRODUCT NAME: SUPER TRINEC BROADLEAF HERBICIDE  
 CAS NUMBER: 0  
 CHEMICAL NAME: Herbicide EPA Reg. No. 2217-758 Revision No. 3

**SECTION I**

MANUFACTURER: PBI/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: 04/21/93

HMS RATINGS:  
 HEALTH: 2  
 FIRE: 2  
 REACTIVITY: 0  
 PERSONAL PROTECTION: B



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

CAS NUMBER	HAZARDOUS COMPONENT	SJB- SARA					ACGIH TLV	OTHER LIMITS	
		NTP	IARC	PART/2	313	OSHA PEL		RECOMMENDED	PERCENT
1928-43-4	2,4-Dichlorophenoxyacetic acid, isooctyl ester	N	N	N	N	NI	NI	NI	32.45
28631-35-8	2-(2,4-Dichlorophenoxy propionic acid, isooctyl ester	N	N	N	N	NI	NI	NI	31.80
1918-00-9	3,6-Dichloro-o-anisic acid (Dicamba)	N	N	N	N	NI	NI	NI	5.38
64742-06-9	Petroleum distillates	N	N	Y	N	400 ppm	NI	NI	17.60

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT	275 F	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.09860
VAPOR PRESSURE (mm Hg.)	NI	MELTING POINT	NI
VAPOR DENSITY (AIR = 1)	NI	EVAPORATION RATE (Butyl Acetate = 1)	NI

SOLUBILITY IN WATER: Emulsifiable.

APPEARANCE AND ODOR: Liquid; sweet ester odor.

OTHER INFORMATION:  
 Viscosity: 13.6 cp @ 100 F  
 pH: <3  
 Percent volatile by volume: 22  
 Freezing Point: <35 F

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

FLASH POINT: 172 F	FLAMMABLE LIMITS:	LEL: NI	UEL: NI
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EXTINGUISHING MEDIA: Foam, CO<sub>2</sub>, Dry chemical, Water.

SPECIAL FIRE FIGHTING PROCEDURES: Wear positive-pressure breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 Prevent contamination of ground water from fire-control runoff. If pollution occurs, contact local authorities.

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**SECTION V - REACTIVITY DATA**


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**STABILITY:** Stable.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None known.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** If burned, gases such as HCl, CO<sub>2</sub> and organochlorides may be liberated.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION VI - HEALTH HAZARD DATA**


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**ROUTE(S) OF ENTRY:** Contact, Inhalation, Ingestion.

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

**EYES:** Corrosive to eyes; may cause eye damage.

**SKIN:** Contact may be moderately irritating to the skin. LD50: >2 g/kg.

**INHALATION:** May be irritating to the respiratory system. LC50 (4H): 8.4 mg/l

**INGESTION:** May be irritating to gastrointestinal tract. Oral LD50: >1200 mg/kg body weight.

**CHRONIC:** Repeated or prolonged overexposure may effect the skin, liver, kidneys, muscular or gastrointestinal systems.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Inhalation may cause a burning sensation, with coughing and dizziness.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Asthma or skin lesions may be irritated by exposure.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** Flush 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.

**INHALATION:** Remove victim to fresh air. Apply artificial respiration if needed. If irritation persists, seek medical attention. If severe overexposure occurs, a two-day removal from exposure is recommended.

**INGESTION:** Call a physician or Poison Control Center. Contains petroleum solvent. Do not induce vomiting.

**OTHER HEALTH WARNINGS:** NI

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


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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Do not touch spilled material. Wear protective clothing, chemical-resistant gloves, shoes, and safety goggles. If exposure limits may be exceeded, wear an organic vapor respirator with pesticide prefilter, NIOSH/MSHA approval number TC-23C. 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, and absorb the wash water for disposal.

**WASTE DISPOSAL METHOD:** Cover and mark containers. Dispose of DOT drum, waste water, and any other waste according to local, state and Federal regulations.

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

Store in locked area inaccessible to children and pets.

Store in original container. Keep from freezing.

Keep from food, feed, seeds, fertilizers and other herbicides, and agricultural chemicals, to prevent cross-contamination.

**OTHER PRECAUTIONS:** Keep spray mixture, spray drift, and rinse water from ground water supplies. Do not apply this product when spray may drift from the target area. This product is toxic to aquatic invertebrates and non-target plants.

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**SECTION VIII - CONTROL MEASURES**

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**VENTILATION REQUIREMENTS:** Good local ventilation, or mechanical exhaust.

**PERSONAL PROTECTIVE EQUIPMENT:**  
**RESPIRATORY PROTECTION:** If exposure limits may be exceeded, wear an organic vapor respirator with pesticide pre-filter, NIOSH/MSHA approval number TC-23C.

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

**EYE PROTECTION:** Goggles are recommended.

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**SECTION IX - ADDITIONAL INFORMATION**

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**ADDITIONAL MANUFACTURER WARNINGS:**  
TSCA Status: Exempt.

Recommended Hazard Summary (Defined by 29 CFR 1910.12000);  
Immediate and delayed 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.

\*\*\*\* END MSDS \*\*\*\*