# MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME:

EMERGENCY TELEPHONE NUMBER

Brake Systems, Inc. 75 East Main Street Stratford, CT 06497

(203) 375-3341

REVISION DATE:

INFORMATION TELEPHONE NUMBER

July 9, 1986

(203) 375-3341

PRODUCT NAME:

Disc Brake Pad (Non-Asbestos Organic Brake Material)

SECTION II -	- HAZARDO	US INGREDIENTS	
INGREDIENT	%	ÓSHA PEL	ACGIH TLV
Fibrous Glass Inorganic Fillers (includes Calcium Carbonate, Vermiculite,	5-8	15 mg/M <sup>3</sup>	10 mg/M <sup>3</sup>
Barytes, Aluminum Silicate) Carbon and Natural Graphite Cured Rubber and Phenolic Resins	50-55 5-8 30-35	15 mg/M <sup>3</sup> 15 mg/M <sup>3</sup> N/A	10 mg/M <sup>3</sup> 10 mg/M <sup>3</sup> N/A

SECTION III - PHYSICAL DATA					
Boiling Point: Vapor Pressure: Vapor Density: Appearance and Odor:	N/A N/A N/A Gray		Specific Gravity: Percent Volatile: Evaporation Rate: Phenolic Odor	1.9 - 2.2 g/cc N/A N/A	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A Flammable Limits: N/A

Extinguishing Media: CO<sup>2</sup>, Water, Foam, Dry Chemical

Special Fire Fighting Procedures: Wear self-contained breathing

apparatus

Unusual Fire and Explosion Hazards: None Known

### SECTION V - HEALTH HAZARD DATA

Effects of Overexposure:

### Acute:

Brake dust may cause eye, skin, or upper respiratory tract irritation.

### Chronic:

Many studies have been conducted to determine the potential long term effects of fibrous glass inhalation. In man, epidemiology studies of workers employed for up to 40 years in fibrous glass manufacturing do not show any consistent evidence of pulmonary disease, either malignant or nonmalignant. Studies in animals using the natural route of exposure • i.e., inhalation - have not shown evidence of a carcinogenic effect. Artificial implantation of large quantities of very fine glass fibers in the chest or abdominal cavities of laboratory animals has caused cancer. One animal study, in which large quantities of very fine diameter glass fibers were injected into the trachea of hamsters, reported cancer.

## Signs and Symptons of Overexposure:

Itching and possible irritation of upper respiratory tract.

# Primary Route(s) of Entry:

Inhalation

# Emergency and First Aid Procedures:

If dust enters eyes, flush with water. Consult physician if eye irritation develops.

#### SECTION VI - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to Avoid): Avoid strong oxidizers due to organic content.

Hazardous Decompositon Products: Incomplete combustion may release

toxic materials.

Hazardous Polymerization: Will not occur.

### SECTION VII - SPILL OR LEAK PROCEDURES

# Steps To Be Taken In case Material Is Released Or Spilled:

Vacuum or wet sweep accumulations of brake dust. Dispose in accordance with federal, state and local regulations. The primary method of disposal is in a municipal or industrial landfill.

# SECTION VIII - SPECIAL PROTECTION INFORMATION

### Respiratory Protection:

Wear NIOSH approved mechanical filter respirator if airborne dust concentration exceeds OSHA PEL.

### Other Protective Equipment:

Wear goggles and gloves/protective clothing to prevent eye and skin irritation from dust.

### SECTION IX - SPECIAL PRECAUTIONS

Handle with adequate ventilation for nuisance dust. Do not use compressed air for cleaning.