



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

**Material name** DLB039  
**Version #** 02  
**Revision date** 05-28-2018  
**Product Name** DLB039 Friction Material (Asbestos free)  
**Manufacturer information** Shandong Double Link Brake Material Co., Ltd.  
No. 8, Haicheng Street, Rushan City,  
Shandong Province, 264500, China  
Telephone Number: 0086- 631-660-8097  
Attn: Jiaju Geng

### 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Yellowish solid  
**Emergency overview** WARNING  
Exposure to airborne dust may cause eye, skin and respiratory tract irritation. May cause allergic skin reaction.  
High concentrations of dust may form explosive mixture with air.

**Potential health effects** Inhalation. Eye contact. Skin contact.  
**Routes of exposure** Dust may irritate the eyes.  
**Eyes** Dust may irritate skin. May cause allergic skin reaction.  
**Skin** May cause respiratory tract irritation. Dust may irritate throat and respiratory system and cause coughing.  
**Inhalation** May cause discomfort if swallowed.  
**Ingestion** Eyes. Skin. Respiratory system  
**Target organs** Frequent inhalation of fume/dust over a long period of time increases the risk of developing lung diseases.  
**Chronic effects** Upper respiratory tract irritation. Coughing. Irritation of eyes and mucous membranes. Skin irritation. Sensitization.  
**Signs and symptoms** The product components are not classified as environmentally hazardous. However, this does not  
**Potential environmental effects** exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
Straight Phenolic Resin Asbestos free	9003-35-4	15-18%
Cashew nutshell Polymer Asbestos free	68647-81-4	5-12%
Synthetic Barium Sulfate Asbestos free, less than 0.1% Crystalline Silica	7727-43-7	13-16%
Glass Fiber Asbestos free	65997-17-3	13-15%
Powder Aluminum Oxide Asbestos free	1344-28-1	10-15%
Synthetic Graphite Asbestos free	7782-42-5	5-10%
Calcium Carbonate Asbestos free	1317-65-3	25-28%

### 4. First Aid Measures

#### First aid procedures

**Eye contact** Dust in the eyes: Do not rub eyes. Immediately flush with plenty of water for at least 15 minutes.  
**Skin contact** Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.  
**Inhalation** Flush skin thoroughly with water. Get medical attention if irritation develops or persists.  
Move to fresh air. Get medical attention if any discomfort continues.