



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** FA512A, MPV 2029, MOPAR 133  
**Version #** 01  
**Issue date** 18-March-2015  
**Revision date** -  
**Supersedes date** -  
**CAS #** Mixture  
**Product code** 338  
**Product use** Friction material, disc brake pad.  
**Manufacturer information**  
**Manufacturer/Supplier** Federal-Mogul Motorparts  
World Headquarters  
27300 West 11 Mile Road  
Southfield, Michigan 48034  
USA  
**Contact person:** msds.request@federalmogul.com  
**Emergency Telephone:** 24hr EP (INFOTRAC): 1-800-535-5053  
International: (001) 352-323-3500

## 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Solid (article).  
**Emergency overview** Low hazard for recommended handling by trained personnel.  
Dust can be created by the machining of finished products.  
**OSHA regulatory status** Under some use conditions, this material may be considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.  
**Potential health effects**  
**Routes of exposure** Not relevant, due to the form of the product in its manufactured and shipped state.  
**Eyes** Dust may irritate the eyes.  
**Skin** The ingredients may be released as general dust from the product by operations such as overheating, burning, machining, abrading, or riveting. Dust may irritate skin.  
**Inhalation** The ingredients may be released as general dust from the product by operations such as overheating, burning, machining, abrading, or riveting. Dust may irritate the respiratory system. Inhalation of powder or fumes may cause metal fume fever. Inhalation may lead to deposition in lung and in sufficient quantities produce baritosis.  
**Ingestion** The ingredients may be released as general dust from the product by operations such as overheating, burning, machining, abrading, or riveting. May cause discomfort if swallowed.  
**Target organs** Eyes. Respiratory system. Skin. Lung. Kidneys. Liver.  
**Chronic effects** The ingredients may be released as general dust from the product by operations such as overheating, burning, machining, abrading, or riveting. May cause lung damage. May cause damage to the liver and kidneys.  
**Signs and symptoms** Exposed individuals may experience eye tearing, redness, and discomfort.  
**Potential environmental effects** Not relevant, due to the form of the product in its manufactured and shipped state.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Barium sulphate	7727-43-7	10 - 30
Zirconium dioxide	1314-23-4	10 - 30
Graphite	7782-42-5	5 - 10
Calcium carbonate	471-34-1	3 - 7