



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** FM2159  
**Version #** 01  
**Issue date** 13-November-2013  
**Revision date** -  
**Supersedes date** -  
**CAS #** Mixture  
**Product code** 336  
**Product use** Disc Brake Pad.  
**Manufacturer/Supplier** Federal-Mogul World Headquarters  
 26555 Northwestern Highway  
 Southfield, Michigan 48033  
 USA  
 Contact Person: MSDS Request (voicemail) 1-248-354-9844

**Emergency** 24hr EP (INFOTRAC): 1-800-535-5053  
 International: (001) 352-323-3500  
 Non-emergency Telephone: 1-248-354-9844

## 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 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** Skin. Lung.  
**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.  
**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 |
|-----------------|------------|---------|
| Graphite        | 7782-42-5  | 10-30   |
| Barium sulphate | 7727-43-7  | 3-7     |
| Aramid Fiber    | 26125-61-1 | 1-5     |
| Magnesium oxide | 1309-48-4  | 1-5     |