



Material Safety Data Sheet

PRODUCT IDENTITY (As used on the label or friction material)
No. 0212

916-46Q2, 916-46Q3, 916-46Q3B, 1001-49, 1150-22, 1222-1A, 1269-43, FA003, FA804, FER4106F, FER4109F, FM2109, FM2123, FM2129, FM2160, FM2170, FM2176, FM3000, FM4111, FM4112, HP12.

1. PRODUCT AND COMPANY INFORMATION

Manufacturer: Federal-Mogul Friction Products
 1 Grizzly Lane or 2410 Papermill Road or 2084 Rowesville Road
 Smithville Winchester Orangeburg
 Tennessee 37166 Virginia 22604 South Carolina 29116

U.S.A. Contact: Dr. Mark Phipps
Contact Number: 615-597-3673

Common Name: Friction Material
Synonyms: Friction Lining, Brake Lining
CAS Number: Not applicable to mixtures
Chemical Formula: Not applicable to mixtures

2. COMPOSITION/INFORMATION ON INGREDIENTS

Although some of the ingredients used to formulate this product may be hazardous in their raw state, the manufacturing process results in a solid, infusible form, binding or otherwise rendering the mixture inert. Identified below those hazardous constituents present in quantities greater than 0.1% that may be released from the product by overheating, burning, machining, or abrading. Crystalline silica (Quartz CAS # 14808-60-7) may be present as a trace element in some of the ingredients listed below but its total content is below the 0.1% de minimis level. All fibers listed below have fiber diameters well above 5 microns and should pose no long term medical problems.

The products listed above do not contain all of the ingredients listed below (*).

Component	CAS Number	Component	CAS Number
Aramid Fiber*	26125-61-1	Magnesium Oxide*	1309-48-4
Barium Sulfate	7727-43-7	Mullite*	1302-93-8 & 7631-86-9
Cashew Resin – Cured*	6833-94-8	Nitrile Rubber*	9003-18-3
Graphite	7782-42-5	Phenolic Resin-Cured	9003-35-4
Hydrated Lime*	1305-62-0	Steel Fiber	65997-19-5
Iron Powder*	7439-89-6	Zinc Powder*	7440-66-6
Kyanite*	1302-76-7		