


**ITT**

ITT Friction Technologies NOVI, MI

**SUBJECT:**
**Material Safety Data Sheet (MSDS)**

According to 2001/58/CE – DM 09/07/2002 – ISO 11014-1

MSDS No.

MSDS-NOVI-06-0001

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**1. Product and company identification**
Product name:

KF 6008 EF

Producer:

ITT Friction Technologies

46785 Magellan Drive – Novi, Michigan 48377 – USA

Uses:

Brake pads and shoes for automotive industries

Emergency contact:

phone +1-248-863-2130 - Fax: +1-248-863-2129

**2. Composition/Information Hazardous Ingredients**

OSHA Status: The friction material product identified in this sheet meets the OSHA definition of an "article" and is not considered hazardous under normal handling and use. The definition of an "article" under OSHA classification is listed under standard: 29 CFR 1910.1200. Although, several of the raw materials used in the composition of this product may be considered hazardous in their natural state, the processing results in a solid article, infusible form, binding or else causing the mixture of individual raw materials to be inert. Those materials which we have been identified as hazardous constituents present in quantities larger than 1% by weight (or 0.1% by weight for carcinogens) that may be released from the product by certain activities such as grinding, burning or excessive heating cause this article to be treated as "hazardous material" under OSHA Hazard Communication Standard. The products listed in section #1 do not contain all of the materials listed below.

Ingredient	Type	C.A.S. No.	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV-TWA (mg/m <sup>3</sup> )
Aluminum Oxide	Total Dust	1344-28-1	15	10
Antimony Sulfide		1345-04-6	0.5	0.5
Aramid Fiber		26125-61-1	Not Established	
Barium Sulfate	Total Dust	1302-78-2	15	10
	Respiratory Fraction		5	
Calcium Hydroxide		471-34-1	---	5
Carbon		7782-42-5	---	2
Cashew Particles		68583-07-3	Not Established	
Cellulose Fiber	Total Dust	9004-34-6	15	10
	Respiratory Fraction		5	5
Copper	(dusts and mists as Cu)	7440-50-8	1	1
Copper Sulfide		1317-40-4	Not Established	
Graphite		7782-42-5	15	2
			5	
Magnesium Oxide		1309-48-4	1	10
Mica		61079-84-8	3	3
Nitrile Rubber	Carbon black 29%	9003-18-3	3.5	3.5
	di-2-ethyl hexylphthalate 7%		5	5
	zinc oxide 1%		10	15
Phenolic Resin		9003-35-4	10	10
Potassium Titanate		275384-70-8	Not Established	
Soluble Mineral Fiber		142844-00-6	Not established	10
Zirconium oxide		1314-23-4	5	5
Zirconium silicate		14940-68-2		
Iron oxide		12227-89-3		
Tin Sulfide		1314-95-0	2	2
Brass		---	Not established	