



## MATERIAL SAFETY DATA SHEET

Revision Date: 09/08/10  
Revision Number: E

Supersedes Date: 01/22/09  
Supersedes Number: D

### SECTION 1: Chemical Product and Company Identification

**Product Tradename:** 16209  
**Description:** 16.00 oz/yd<sup>2</sup> Black CSM / Nylon  
**Chemical Name:** Chlorosulfonated Polyethylene / Polyamide  
**Synonyms:** CSM / Nylon  
**Formula:** Mixture

**Company Identification:** TRELLEBORG COATED SYSTEMS US, INC.  
GRACE ADVANCED MATERIALS  
715 Railroad Avenue  
Rutherfordton, NC 28139

TRELLEBORG PHONE: (828) 286-9126 / 286-7100  
EMERGENCY TRELLEBORG CONTACT 828-320-8299

### SECTION 2: Composition / Information on Ingredients

HAZARDOUS COMPONENT	CAS #	% BY WGT
Magnesium Oxide	1309-48-4	1 – 5 %

- All ingredients are bound in polymer and potential for hazardous exposure as shipped is minimal. See Section 16 for further information.

### SECTION 3: Hazardous Identification

**Primary Route(s) of Exposure:** Eyes, Skin, Inhalation

#### Acute Exposure

**Eye Contact:** Eye contact may cause mechanical irritation  
**Skin Contact:** No known unusual effects from routine handling  
**Inhalation:** Fumes irritating to the eyes, nose, and throat may be produced with overheating or combustion.

**Ingestion:** Not an expected exposure route

**Chronic Exposure** See Section 11 for Toxicological Information.

#### SECTION 4: First Aid Measures

##### Emergency and First Aid Procedures:

<b>Eye Contact:</b>	Flush eyes immediately with plenty of water
<b>Skin Contact:</b>	Wash thoroughly with soap & water after handling.
<b>Inhalation:</b>	If exposed to fumes from overheating or combustion, move to fresh air.
<b>Ingestion:</b>	Not an expected exposure route. However, in case of accidental ingestion, consult a physician.

#### SECTION 5: Fire Fighting Measures

<b>Flash point (Method Used):</b>	N/A
<b>Explosive Limits:</b>	N/A                      LEL: N/A                      UEL: N/A
<b>Extinguishing Media:</b>	Water, Foam, Dry Chemical, and CO <sub>2</sub>
<b>Special Fire Fighting Procedures:</b>	Follow regular procedures for extinguishing rubber fires. Use respirator satisfactory to protect against complete combustion products that consist of hydrogen chloride, carbon monoxide, organic acids, aldehydes, and alcohols.
<b>Unusual Fire and Explosion Hazards:</b>	Potential electrostatic charge buildup. Grounding of equipment is recommended. Hydrogen Chloride (HCL) may be formed at temperatures above 150°C (328°F).

#### SECTION 6: Accidental Release Measures

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	N/A – Roll Goods
---	------------------

#### SECTION 7: Handling and Storage

<b>Precautions To Be Taken In Handling and Storing:</b>	Store in a cool, dry place
---	----------------------------

#### SECTION 8: Exposure Controls / Personal Protection

##### Personal Protective Equipment

<b>Respiratory Protection:</b>	Personal respiratory equipment is not typically required for normal use and handling of product as shipped.
<b>Hand Protection:</b>	Protective Gloves
<b>Skin and Body Protection:</b>	Recommended
<b>Eye Protection:</b>	Safety Glasses
<b>Other Protective Equipment:</b>	As Applicable

##### Engineering Controls

<b>Ventilation:</b>	<b>Local Exhaust:</b>	For storage or normal use
	<b>Mechanical (General):</b>	When heating or processing
	<b>Special:</b>	N/A
	<b>Other:</b>	As Applicable

### Exposure Limits

HAZARDOUS COMPONENT	CAS #	OSHA-PEL/TWA	ACGIH-TLV/TWA
Magnesium Oxide	1309-48-4	15.00 mg/m3	10.00 mg/m3

- All ingredients are bound in polymer and potential for hazardous exposure as shipped is minimal.  
See Section 16 for further information.

### SECTION 9: Physical and Chemical Properties

Physical State:	Solid	Specific Gravity (H <sub>2</sub> O = 1):	N/A
Boiling Point ("°F" or "°C"):	N/A	Percent Volatile (AIR = 1):	N/A
Melting Point:	N/A	Percent Volatile by Volume (%):	N/A
Evaporation Rate (H <sub>2</sub> O = 1):	N/A	Vapor Pressure (mm Hg):	N/A
Solubility in Water:	Insoluble	Vapor Density (AIR = 1):	N/A
Heat Value:	N/A		
Appearance and Odor:	Black Hypalon rubber coated Nylon with mild odor		

### SECTION 10: Stability and Reactivity

Stability:	( ) UNSTABLE	( X ) STABLE
Incompatibility (Materials to Avoid):	None Known	
Hazardous Decomposition Products:	Carbon monoxide, hydrogen chloride (HCL), organic acids, aldehydes, and alcohols.	
Hazardous Polymerization:	( ) MAY OCCUR	( X ) WILL NOT OCCUR
Conditions to Avoid:	Overheating. Temperatures above 150°C (328°F)	

### SECTION 11: Toxicological Information

Carcinogen: NTP ( NO ) IARC ( NO ) OSHA ( NO )

- All ingredients are bound in polymer and potential for hazardous exposure as shipped is minimal.  
See Section 16 for further information.

### SECTION 12: Ecological Information

No information available at this time.

### SECTION 13: Disposal Consideration

**Waste Disposal Method:** Disposal of this product can occur only in properly permitted facilities.  
Check Federal, State and Local laws for disposal of this product.

### SECTION 14: Transport Information

Transport or store away from direct heat and sunlight.



## SECTION 15: Regulatory Information

### SARA TITLE III INFORMATION:

#### SECTION 302 – EXTREMELY HAZARDOUS SUBSTANCE:

N/A

- All ingredients are bound in polymer and potential for hazardous exposure as shipped is minimal. See Section 16 for further information.

#### SECTION 313 – TOXIC RELEASE CHEMICALS:

N/A

- All ingredients are bound in polymer and potential for hazardous exposure as shipped is minimal. See Section 16 for further information.

HMIS Information:		
Health		1
Flammability		1
Reactivity		0
PPE		B

## SECTION 16: Other Information

**Other Precautions:** This is a cured product. No special precautions are required during normal use

**DISCLAIMER:** The data in this material safety data sheet relates only to the material designated herein and does not relate to use in combination with any other material or in any process. The information set forth herein is furnished in good faith, based on information currently available. No warranty, express or implied, is made and Trelleborg assumes no liability in connection with any use of this information. Trelleborg is not familiar with the process to which the material may be subjected. Further forming or cutting of the material under some conditions could cause a potential for hazardous exposure. The customer is responsible for determining the potential for hazardous exposure under the circumstances in which the material is being used.

N/A = NOT APPLICABLE

N/D = NOT DETERMINED

COATED FABRIC PROPERTIES	TEST METHOD	REQUIREMENTS
Color	Visual	Black
Width (trimmed)	ASTM D 751-89, sec. 8	60"
Total Weight	ASTM D 751-89, sec. 10.2	16.0 - 1.0/ +2.0 oz/yd <sup>2</sup>
Gauge	ASTM D 751-89, sec. 9	Record Only
Tongue Tear – Warp	ASTM D 751-89, sec. 22	50.0 lbs/in min.
Tongue Tear – Fill	ASTM D 751-89, sec. 22	40.0 lbs/in min.
Adhesion – Side 1	Fed. Std. 191A, Method 5970	8.0 lbs/in. min.
Adhesion – Side 2	Fed. Std. 191A, Method 5970	8.0 lbs/in. min.
DuPont Scrubs – Side 1	Trelleborg Test Method	1,000 cycles min.
DuPont Scrubs – Side 2	Trelleborg Test Method	1,000 cycles min.
State of Cure – Side 1	Trelleborg Test Method	Pass
State of Cure – Side 2	Trelleborg Test Method	Pass

Original Date: 04/10

Data presented are averaged results and should not be construed as specification limits.

The information supplied herein is based upon information currently available on the subject. It is offered as a possible helpful guide. Reeves Brothers, Inc., makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY FOR FITNESS OF USE OR OF MERCHANTABILITY, UNLESS EXPRESSLY SET FORTH HEREIN.

TRELLEBORG COATED SYSTEMS US, INC.  
790 Reeves Street  
Spartanburg, SC - 29301  
1-800-635-9350 - fax (864) 595-2211

