

MATERIAL SAFETY DATA SHEET

Revision Date: 05/28/10
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SECTION 1: Chemical Product and Company Identification

Product Tradename: 16243
Description: 35 oz/yd² FR Black CSM / Nylon
Chemical Name: Chlorosulfonated Polyethylene / Polyamide
Formula: Mixture

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

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SECTION 2: Composition / Information on Ingredients

HAZARDOUS COMPONENT	CAS #	% BY WGT
Antimony Trioxide	1309-64-4	5-10 %
Magnesium Oxide	1309-48-4	1-5 %
Carbon Black	1333-86-4	10-15 %
Di (2-ethylhexyl) Azelate	103-24-2	10-15 %
Decabromodiphenyl oxide	1163-19-5	5-10 %

- 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:

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

SECTION 5: Fire Fighting Measures

Flash point (Method Used):	N/A
Explosive Limits:	N/A LEL: N/A UEL: N/A
Extinguishing Media:	Water, Foam, Dry Chemical, and CO ₂
Special Fire Fighting Procedures:	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.
Unusual Fire and Explosion Hazards:	Hydrogen Chloride (HCL) may be formed at temperatures above 150°C (328°F).

SECTION 6: Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	N/A – Roll Goods
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SECTION 7: Handling and Storage

Precautions To Be Taken In Handling and Storing:	Store in a cool, dry place
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SECTION 8: Exposure Controls / Personal Protection

Personal Protective Equipment

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

Engineering Controls

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



Exposure Limits

HAZARDOUS COMPONENT	CAS #	OSHA-PEL/TWA		ACGIH-TLV/TWA	
Antimony Trioxide	1309-64-4	0.5	mg/m ³	0.5	mg/m ³
Magnesium Oxide	1309-48-4	15.00	mg/m ³	10.00	mg/m ³
Carbon black	1333-86-4	3.50	mg/m ³	3.50	mg/m ³

- 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 (H₂O = 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 (H₂O = 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 CSM coated Nylon with mild odor		

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

Note: This product contains components, which in their pure form have the following carcinogenicity data:

COMPONENTS	CAS #	NTP (NO)	IARC (2B)	OSHA (NO)
Antimony Trioxide	1309-64-4	NTP (NO)	IARC (2B)	OSHA (NO)
Carbon black	1333-86-4	NTP (NO)	IARC (2B)	OSHA (NO)
Decabromodiphenyl oxide	1163-19-5	NTP (NO)	IARC (2B)	OSHA (NO)

IARC Carcinogen Classifications:

- 1- The component is carcinogenic to humans.
- 2A- The component is probably carcinogenic to humans.
- 2B- The component is possibly carcinogenic to humans.

NTP Carcinogen Classifications:

- 1- The component is known to be a human carcinogen.
- 2- The component is reasonably anticipated to be a human carcinogen.

- 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:

HAZARDOUS COMPONENT	CAS #	% BY WGT
Decabromodiphenyl oxide	1163-19-5	5 – 10%
Antimony Trioxide	N010	5 – 10%

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

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

