

MATERIAL SAFETY DATA SHEET

DO NOT USE THIS PRODUCT UNTIL YOU HAVE READ THIS INFORMATION

MSDS Prepared By:
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Section 1: General Information

Trade Names and Synonyms: 20709

Chemical Names and Family: Black FR Polypropylene woven fabric

Product Use: Tennis

HMIS Ratings: Health 2, Fire 1, Reactivity 1

Section 2: Hazardous Ingredients/Identity Information

<u>Ingredient</u> (Chemical Name, CAS#, and Common Name)	<u>OSHA PEL or TWA</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
Polypropylene resin (9003-07-0)	N/A	N/A	95 - 96 %
Carbon Black (1333-86-4)	3.5 mg/cm TWA = 0.5 mg/m ³ TWA	3.5 mg/cm TWA = 0.5 mg/m ³ TWA	2 - 3%
Antimony Oxide (1309-64-4)	= 0.5 mg/m ³ TWA (as Sb)	= 0.5 mg/m ³ TWA (as Sb)	< 2 %

Section 3: Hazards Identification/Potential Effects

Overview: Based upon pertinent data available and normal handling, polypropylene cloth products are not hazardous under OSHA Hazard Communication Standard (29 CFR 1910.120).

Routes of Exposure:

Inhalation:	Inhalation of organic fumes or mist may irritate respiratory tract and mucous membranes. However, short-term harmful health effects are not expected and not likely from vapor generated during normal use with adequate ventilation at ambient temperature.
Skin contact:	Antimony oxide dust may irritate skin and cause antimony measles.
Ingestion:	Ingestion is not expected to occur. If swallowed, may physically irritate digestive system. Consult physician.
Eye Contact:	No evidence of harmful effects anticipated from available information under normal use.
Chronic:	None currently known.

Symptoms of Acute Overexposure: Product may contain surface applied process lubricants that may cause skin to dry out.

Medical Conditions Aggravated By Exposure: Persons with pre-existing skin disorders may be susceptible to effects of the material.

Carcinogenicity: See Section 11

Section 4: First Aid Procedures

Eye Contact:	Flush eyes with plenty of water for 15 minutes. If irritation persists, consult a physician.
Skin Contact:	Frequent rinsing of skin surfaces with water to remove accumulated fibers will minimize irritation. If pain, allergy, or reaction persists, get medical attention.
Ingestion:	Not likely to be ingested in present form. No emergency care anticipated. Get medical aid if necessary.
Inhalation:	Remove to fresh air if overcome by fumes, mist, or dust. If breathing difficulties develop or persist, get medical attention.
Chronic:	None currently known. Get medical aid if necessary.

Section 5: Fire and Explosion Hazard Data

Flash Point (Method Used): Greater than 600° F (300°C)

Flammable Limits: LEL: Not Available UEL: Not Available

Extinguishing Media: Water Fog Carbon Dioxide
 Regular Foam Dry Chemical Other

Special Fire Fighting Procedures: Material will not burn unless preheated. Over heated or molten material may burn slowly with dense smoke. Firefighters and others who may be exposed to products of combustion should wear full protective clothing and self contained breathing apparatus.

Unusual Fire and Explosion Hazards: When forced to burn, protect from decomposition and combustion products that may include Carbon Monoxide, Hydrogen Chloride, Carbon Dioxide, and other toxic gases.

General Hazard: None known. Material will not burn in the absence of an independent flame source.

Hazardous Combustion/Decomposition Products: Oxides of nitrogen and carbon (e.g. Nickel oxide, Carbon dioxide, carbon monoxide, hydrocarbons, etc.), antimony oxide, hydrogen bromide

Section 6: Accidental Release Measures

This product requires no special spill handling procedures.

Section 7: Handling and Storage

- General:** Keep material clean, dry, and away from heat. Minimize dust generation. Store away from oxidizing materials in cool dry areas. Avoid direct sunlight.
- Storage Temperature:** Ambient
- Storage Pressure:** Atmospheric
- Handling:** No special handling unless large rolls are used. Use lifting devices as necessary. If product is molten, avoid contact with skin or eyes

Section 8: Exposure Controls/ Personal Protection

- Engineering Controls:** General (mechanical) room ventilation is expected to be satisfactory.
- Ventilation Requirements:** Not required for normal use. If process generates dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Personal Protective Equipment:**
- Eye Protection:** Not normally required, but may wear safety glasses.
- Skin Protection:** Not normally required. Persons with exposure sensitivity may need suitable gloves.
- Respiratory Protection:** Not required under normal use. Wear appropriate, approved respiratory protection to keep dust, smoke or fumes concentration below the permissible exposure limit if generated in processing or handling.
- Other Clothing and Equipment:** Normal work clothing.

Section 9: Physical and Chemical

- Boiling Point:** N/A
- Vapor Pressure (mm Hg.):** N/A
- Vapor Density (Air =1):** N/A
- Solubility in Water:** Not soluble
- Appearance and Odor:** Woven fabric wound on a cardboard core.
- Specific Gravity (H₂O=1):** 1.1 – 1.35
- Evaporation Rate (Butyl Acetate=1):** N/A
- Melting Point:** >300° F

Section 10: Stability and Reactivity

- Stability:** Stable Unstable
- Conditions to Avoid:** Keep away from sparks, flames, or excessive heat
- Incompatibility (Materials to Avoid):** Strong oxidizing agents.
- Hazardous Polymerization:** May Occur Will Not Occur

Section 11: Toxicological Information

- Eye Effects:** Not toxic
- Skin Effects:** Chronic exposure to dust may cause antimony measles.
- Target Organs:** None
- Carcinogenicity:** Possible risk of irreversible effects from antimony measles – may cause cancer. Antimony oxide is classified by: IARC: Group 2B suspect carcinogen. Arsenic is classified by: IARC: Group 1 human carcinogen. NTP: human carcinogen. OSHA: cancer

hazard. Carbon black is classified as a Group 2B possible human carcinogen. When encapsulated in a plastic matrix, risk of exposure is minimized.

Mutagenitive and Reproductive Effects: Not considered to be a hazard.

Target organ effects: Skin, Eyes, Respiratory tract, Blood, and Renal.

Section 12: Ecological Information

Environmental Data: Not expected to be hazardous to the environment in present form.

Section 13: Disposal Considerations

Disposal: If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as dined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state, and federal regulations

RCRA Hazard Class: Does not contain RCRA regulated materials.

General Comments: It is recommended that all waste be analyzed for compliance to applicable laws and regulations governing proper waste disposal methods and reporting requirements.

Section 14: Transport information

DOT, TDG (Canada), IMDG/IMO, ADR/RID, ICAO Classification:
Non-hazardous; Not regulated for transport.

Section 15: Regulatory Information

U.S. E.P.A. TSCA: All components in this product appear on the E.P.A.TSCA Inventory.

Canada DSL & NDSL All components in this product appear on the DSL or NDSL.

U.S. Regulations

CARBON BLACK (PBK7) – 1333-86-4
California Proposition 65 –
Carcinogen; initial date 2/21/03

Components	Canada – WHMIS: Classifications of Substances	Canada – Ingredient Disclosure
CARBON BLACK (PBK7) 1333-86-4 (30 – 40) ZINC STEARATE 557-05-1 (1 – 5) PHENOL, 4,4 ¹ -THIOBIS[2-(1,1-DIMETHYLETHYL)5-METHYL 96-69-5-(0 - 1)		1%; English Item 309; French Item 1271
	B4: D2B D2B	1%; English Item 1725; French Item 1504
		1%; English Item 1553; French Item 1609

Components	CERCLA/SARA 302 TPQ:	CERCLA/SARA 312:	CERCLA/SARA 313:
<i>ANTIMONY OXIDE</i> 1309-64-4 (1 - 5)		1.0 Deminimus	= 1.0 percent de minimis concentration = 1.0 percent de minimis concentration (Chemical Category N010)
<i>ARSENIC OXIDE (As₂O₅)</i> 1327-53-3 (0 - 1)	= 10,000 lb TPQ (upper threshold) = 100 lb TPQ (lower threshold)		= 0.1 percent de minimis concentration = 0.1 percent de minimis concentration (Chemical Category N020)
<i>LEAD OXIDE (PbO₂)</i> 1309-60-0 (0 - 1)		0.1 Deminimus	= 100 lb Reporting Threshold (Chemical Category N420, PBT Chemical) = 100 lb Reporting Threshold (PBT Chemical)
<i>ZINC STEARATE</i> 557-05-1 (0 - 1)		1.0 Deminimus	=1.0 percent de minimis concentration (Chemical Category N982) = 1.0 percent de minimis concentration (only fume or dust)

The following information pertains to the components:

Components	MARTK:	NJRTK:	PARTK:
<i>ANTIMONY OXIDE</i> 1309-64-4	[present]	sn 0141 sn 0149	environmental hazard environmental hazard (any compound of this substance is also an environmental hazard)
<i>ARSENIC OXIDE (As₂O₅)</i> 1327-53-3	carcinogen; extraordinarily hazardous extraordinarily hazardous	sn 0152 sn 0161	environmental hazard environmental hazard; special hazardous substance environmental hazard; special hazardous substance (any compound of this substance is also an environmental hazard)
<i>LEAD OXIDE (PbO₂)</i> 1309-60-0	[present] teratogen	sn 1096 sn 1104	environmental hazard (any compound of this substance is also an environmental hazard)

ZINC STEARATE 557-05-1	[present]	Sn 2021 (dust and fume)	environmental hazard; environmental hazard (any compound of this substance is also an environmental hazard)
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ANTIMONY OXIDE - 1309-64-4

California Proposition 65 - carcinogen; initial date 10/1/90

ARSENIC OXIDE (As₂O₅) - 1327-53-3

California Proposition 65 - carcinogen; initial date 2/27/87

LEAD OXIDE (PbO₂) - 1309-60-0

California Proposition 65 - carcinogen; initial date 10/1/92
developmental toxicity; initial date 2/27/87
female reproductive toxicity; initial date 2/27/87
male reproductive toxicity; initial date 2/27/87

Canada

Components	Canada - WHMIS: Classifications of Substances	Canada - Ingredient Disclosure
ANTIMONY OXIDE 1309-64-4 (1 - 5)	D1B; D2A	1%; English Item 121; French Item 250 1%; English Item 122; French Item 251 1%; English Item 126; French Item 1691
ARSENIC OXIDE (As ₂ O ₅) 1327-53-3 (0 - 1)	D1A; D2A	0.1%; English Item 130; French Item 266 0.1%; English Item 134; French Item 1692 1%; English Item 132; French Item 265
LEAD OXIDE (PbO ₂) 1309-60-0 (0 - 1)	C; D2B D2A	0.1%; English Item 937; French Item 1435
ZINC STEARATE 557-05-1 (0 - 1)	B4; D2B D2B	1%; English Item 1725; French Item 1504

Section 16: Other Information

This product may contain ingredients in the fiber lubricant and additives in “De Minimus” quantities, which would be listed in SARA 311/313: Acute Health Hazard. At levels under 0.01% by weight, no “Reportable Quantities” will be reached with typical fabric inventories.

The information and recommendations contained in this publication have been compiled from sources believed to be reliable and to represent the best current opinion on the subject at the time of publication. Since we cannot anticipate or control the many different conditions under which this information or our products may be used, we make no guarantee that the recommendations will be adequate for all individuals or situations. Each user of the product described herein should determine the suitability of the described product for his particular purpose and should comply with all federal and state rules and regulations concerning the described products.

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