

MATERIAL SAFETY DATA SHEET

DO NOT USE THIS PRODUCT UNTIL YOU HAVE READ THIS INFORMATION

MSDS Prepared By:

Nicolon Corporation
365 South Holland Drive
Pendergrass, GA 30567

Chemtrec Emergency:

24-hour Phone: (800) 424-9300
Nicolon Phone: (706) 693-2226
Date Prepared March 1, 2010
Revised:

Section 1: General Information

Trade Names and Synonyms: 47919

Chemical Names and Family: Polypropylene woven fabrics

Product Use: Ground Cover

HMIS Ratings: Health 1, Fire 1, Reactivity 0, PPE (see section 6)

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 (9003-07-0)	n/a	n/a	90% - 99.5%
Polyethylene (9002-88-4)	n/a	n/a	0 - 8%
Lubricants - fatty acids or esters (blend)	n/a	n/a	0 - 1.5%
UV Stabilizers* (various)	n/a	n/a	0 - 0.9%
Pigments* (various)	n/a	n/a	0 - 1%
Carbon Black* (1333-86-4)	3.5 mg/cm TWA	3.5 mg/cm TWA	0 - 2%

* This component is encapsulated in polyolefin resin.

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: Not likely, under normal use. No significant irritation expected other than possible mechanical irritation.

Skin contact: Low hazard for usual industrial or commercial handling. No significant health hazards identified. Particles or fibers may cause slight discomfort similar to rubbing sand against the skin.

Skin absorption: No

Eye Contact: No significant health hazards identified. Particles or fibers may cause slight discomfort similar to getting dust in the eye.

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

Symptoms of Chronic Overexposure: No known health effects have been observed with normal use.

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

Carcinogenity: See Section 11

Section 4: First Aid Procedures

Eye Contact: As with any foreign object, flush with water. If pain or irritation persists, consult physician.

Skin Contact: Wash with soap and water. In case of irritation, consult physician.

Inhalation: If adverse effects occur, remove to uncontaminated area. Get medical attention.

Ingestion: If a large amount is swallowed, get medical attention.

Section 5: Fire and Explosion Hazard Data

Flash Point (Method Used): >600° F (315° C)

Flammable Limits: LEL: N/A UEL: N/A

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

Special Fire Fighting Procedures: Material will not burn unless preheated. Over heated or molten material may burn slowly with dense smoke. Move material from fire area if it can be done without risk. Avoid inhalation of combustion by-products. Stay upwind and keep out of low areas. Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Not applicable

Section 6: Accidental Release Measures

No environmental threat is expected from release. Contain and remove by mechanical means, if necessary.

Section 7: Handling and Storage

Storage: Store away from oxidizing materials, in cool dry area. Avoid direct sunlight.

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/ Rolls may be heavy; use lifting devices for moving Personal Protection

Engineering Controls: Control airborne concentrations below the exposure guidelines.

Ventilation Requirements: Not required for normal use. If process generates dust, use ventilation to keep exposure below exposure limit. If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.

Personal Protective Equipment:

Eye Protection: Not normally required, however, use of eye protection is good industrial practice. Use dust goggles if high dust concentration is generated.

Skin Protection: Not normally required. Persons with exposure sensitivity may need suitable gloves.

Respiratory Protection: Not required, unless dust generated

Other Clothing and Equipment: Normal work clothing.

Exposure Guidelines

Component	CAS#	Exposure Limits
Polypropylene	9003-07-0	OSHA TOTAL DUST: 15 mg/m ³ (particulate NOC) OSHA RESPIRABLE DUST: 5 mg/m ³ (Particulate NOC) ACGIH TLV-TWA: 10 mg/m ³ (total dust) (particulate NOC)
Polyethylene	9002-88-4	No Limit Established
Lubricants – fatty acids or esters	Blend	No Limit Established
UV Stabilizers*	Various	No Limit Established
Pigments*	Various	No Limit Established
Carbon Black*	1333-86-4	OSHA PEL: 3.5 mg/m ³ ACGIH TWA: 3.5 mg/m ³ (data for powder)

* This component is encapsulated in polyolefin resin and does not possess the same hazards as the powdered, pure material.

Section 9: Physical and Chemical

Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (Air =1): N/A

Solubility in Water: Negligible, below 0.1%

Appearance and Odor: Black woven fabric wound on a cardboard core; no odor

Specific Gravity (H₂O=1): 0.9

Evaporation Rate (Butyl Acetate=1): N/A

Melting Point: about 320° F (160°C)

Section 10: Stability and Reactivity

Stability: Stable Unstable

Conditions to Avoid: Keep away from sparks or flame

Incompatibility (Materials to Avoid): Strong oxidizers.

Hazardous Polymerization: May Occur Will Not Occur

Hazardous Decomposition Products (Including Combustion Products): The major decomposition products are low molecular weight oligomers (C6-18) of polypropylene. Degradation products may include trace amounts of acrolein, formaldehyde, aldehydes, and other organic vapors. Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

Section 11: Toxicological Information

Eye Effects: Testing not conducted.

Skin Effects: Testing not conducted.

Target Organs: Testing not conducted

Other Toxicity Data: Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature and/or professional experience. Dense dust generated by the handling and/or processing of this material may be irritating to the eyes, skin, nose, and throat.

Carcinogenity: Carbon black is classified as a Group 2B possible human carcinogen. When encapsulated in a plastic matrix, risk of exposure is minimized. Nickel and nickel compounds are classified by: IARC: Group 1 carcinogen. NTP: carcinogen. There is no data to indicate any carcinogenic potential for this product.

Mutagenitive and Reproductive Effects: Not considered to be a hazard

Section 12: Ecological Information

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

Section 13: Disposal Considerations

Disposal: Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

RCRA Hazard Class: Does not contain RCRA regulated materials.

Section 14: Transport information

DOT Classification: Non-hazardous

Section 15: Regulatory Information

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370): This product is not regulated under SARA Title III Section 311/312.

SARA TITLE III SECTION 313 (40 CFR Part 372): This product is not regulated under Section 313 of SARA and 40 CFR Part 372.

CANADIAN REGULATIONS:

CONTROLLED PRODUCTS REGULATIONS (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR), and the MSDS contains all the information required by CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Materials Information System.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): Listed on inventory.

EC INVENTORY (EINECS/ELINCS): Not determined.

JAPAN INVENTORY (MITI): Not determined.

AUSTRALIA INVENTORY (AICS): In compliance.

KOREA INVENTORY (ECL): Not determined.

CANADA INVENTORY (DSL): In compliance.

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.

This page intentionally left blank.