

# Product Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Numbers/Series:

NORTON® Films—R129, R131, R133, R137 colors

**Other/Generic Names:** Extruded PTFE film, Unsintered Extruded PTFE film, Extruded Teflon® film

**Product Use:** Electrical insulation, wire and cable manufacturing

### Manufacturer:

Saint-Gobain Performance Plastics  
14 McCaffrey St., PO Box 320  
Hoosick Falls, NY 12090-0320

### For More Information:

Product Safety Department: (518) 686-7301  
(8 AM to 5 PM, Eastern Time)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS #	Weight %
Polytetrafluoroethylene resin (PTFE)	9002-84-0	98.5-99.0%
Pigments	—	1.0-1.5% (10κ-15κ ppm)
Cadmium content	—	<100 ppm
Barium sulfate	7727-43-7	<0.1%

**Note:** The above product(s) are considered “articles” according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and, as such, are exempt from the material safety data sheet provisions of 29 CFR 1910.1200 (G) (6). As a courtesy to the customer, Saint-Gobain Performance Plastics has prepared this product safety data sheet to provide appropriate safety and handling information. These products are considered non-hazardous when used according to accepted practices for the intended use.

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Material is non-toxic, insoluble, chemically inert, and non-biodegradable. Solid material will not support combustion, but if other fuel is present, decomposition products will react at about 1275°F, producing potentially toxic gaseous products.

### Potential Health Hazards:

**SKIN:** None known  
**EYES:** Not a likely route of entry  
**INHALATION:** Inhalation of fumes from burning or heating over 500°F (260°C) may cause polymer fume fever. This presents flu-like symptoms which may include chills and fever. Symptoms may not appear for several hours after exposure, and normally disappear within 24 hours.

**INGESTION:** Not a likely route of entry

**DELAYED EFFECTS:** None known

Ingredients found on one of the OSHA-designated carcinogen lists are listed below:

Ingredient Name	NTP Status	IARC Status	OSHA Standard
Cadmium compounds	Group 2	Group 2A	1910.1027

## 4. FIRST AID MEASURES

N/A for material as supplied at room temperature.

Processing at high temperature may generate fumes, which can cause flu-like symptoms (polymer fume fever). Remove to fresh air, consult physician if severe.

**Note to Physicians:** This product is essentially inert and nontoxic. However, if it is heated at too high a temperature or it is burned, gases may be released. Patients who have been exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin levels checked. If the carboxyhemoglobin levels are normal, asphyxia (carbon dioxide replacing oxygen) is a possibility. As with any fire, irritant gases may have been formed. If patients may have inhaled high concentrations of irritating fumes, they should be monitored for delayed onset pulmonary edema.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT:** N/A

**AUTO IGNITION TEMPERATURE:** N/A

**FLAMMABLE LIMITS IN AIR (% BY VOL.):** N/A, solid material

**EXTINGUISHING MEDIA:** Use media appropriate to primary source of fire.

**UNUSUAL FIRE HAZARDS:** Material is incombustible, but if other fuel is present, decomposition products will burn at about 1275°F, producing toxic and corrosive gaseous products.

## 6. ACCIDENTAL RELEASE MEASURES

N/A, solid material

## 7. HANDLING AND STORAGE

Store and handle using good warehouse practices. Avoid excessive temperatures and high humidity.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

### PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use appropriate NIOSH-approved respirator in presence of decomposition fumes.

EYES AND FACE: Use of safety glasses is recommended.

HANDS, ARMS, AND BODY: N/A

OTHER CLOTHING AND EQUIPMENT: N/A

### Exposure Guidelines

Guidelines exist for the following ingredients:

Ingredient Name	ACGIH TLV	OSHA PEL	Other Limit
Cadmium compound as Cd, CAS #7440-43-9	0.01 mg/m <sup>3</sup> as dust, total; 0.002 mg/m <sup>3</sup> as respirable dust; 8 hr. TWA	N/A	N/A
Barium sulphate	10 mg/m <sup>3</sup> as dust, 8 hr. TWA	N/A	N/A

Other exposure limits for the decomposition products normally associated with product use are as follows: N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Pigmented, soft, waxy feeling plastic film
PHYSICAL STATE:	Solid
MOLECULAR WEIGHT:	N/A
CHEMICAL FORMULA:	[C <sub>2</sub> F <sub>4</sub> ] <sub>n</sub> (resin pigment N/D)
ODOR:	Odorless
SPECIFIC GRAVITY:	1.5 -1.9
SOLUBILITY IN WATER:	Insoluble
pH:	N/A
BOILING POINT:	N/A
MELTING POINT:	342°C
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
EVAPORATION RATE:	N/A
% VOLATILES:	N/D
FLASH POINT:	N/A

## 10. STABILITY AND REACTIVITY

NORMALLY STABLE?	Stable
INCOMPATIBILITIES:	Strong oxidizers, acids, bases
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce toxic and corrosive gaseous products.

HAZARDOUS POLYMERIZATION? Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS: No acute effects have been identified.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: No delayed or chronic effects have been identified.

OTHER DATA: N/A

## 12. ECOLOGICAL INFORMATION

These materials are chemically unreactive, non-toxic, non-water soluble, and non-biodegradable.

## 13. DISPOSAL CONSIDERATIONS

OTHER DISPOSAL CONSIDERATIONS: Dispose in an approved landfill or by incineration, in compliance with federal, state, and local regulations.

## 14. TRANSPORT

US DOT HAZARD CLASS: N/A

US DOT ID NUMBER: N/D

## 15. REGULATORY INFORMATION

### Toxic Substances Control Act (TSCA)

TSCA INVENTORY STATUS: All components are listed on the TSCA Inventory.

OTHER TSCA ISSUES: None

### SARA Title III / CERCLA

Reportable Quantities (RQs) and/or Threshold Planning Quantities (TPQs) exist for the following ingredients:

Ingredient Name	SARA/CERCLA	SARA EHS
N/A	N/A	N/A

Spills/releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center (1-800-424-8802) and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: N/D

### SARA 313 Toxic Chemicals

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	% by Weight
7440-43-9	Pigment compounds as Cd Cadmium content	1.0-1.5 <100 ppm

**State Right to Know**

In addition to the ingredients found in section 2, the following are listed for state right-to-know purposes:

<b>CAS#</b>	<b>Chemical Name</b>	<b>% by Weight</b>
N/A	N/A	N/A

ADDITIONAL REGULATORY INFORMATION: N/A

WHMIS CLASSIFICATION (CANADA): N/D

FOREIGN INVENTORY STATUS: N/D

**16. OTHER INFORMATION**

CURRENT ISSUE/REVIEW DATE: 8/24/09

PREVIOUS ISSUE/REVIEW DATE: 5/15/07

CHANGES TO MSDS FROM PREVIOUS

ISSUE DATE ARE DUE TO THE FOLLOWING: Added R137 products. Added hazardous material content information for RoHS compliant pigments.

Changed MSDS form requires additional information.

OTHER INFORMATION: None

PUBLISHED BY: Document Control Department,  
Saint-Gobain Corporation

**MSDS NO. AFF-1684**  
**N/A=not applicable**

**N/D=not determined**  
**Issue/Review date: 8/09**

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AFF-1684-PDF-0809-SGCS

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