

**Material Safety Data Sheet**

**Title: NORTON® PMP RELEASE FILM**

**HMIS RATING: Health- 0 Flammability- 1 Reactivity- 0**

**SECTION I- Identification of Product**

PRODUCT NAME: NORTON® PMP Release Film

OTHER/GENERIC NAMES: Polymethylpentene Film

FORM: Colored or colorless transparent plastic film.

PRODUCT USE: Release film

MANUFACTURERS NAME/ADDRESS: Saint-Gobain Performance Plastics Corp.  
150 Dey Road, Wayne, NJ 07470 USA

EMERGENCY TELEPHONE NO.: CHEM-TEL Inc. US: 1-800-255-3924 Worldwide + 01-813-248-0585  
TECHNICAL ASSISTANCE TELEPHONE NO.: 973-696-4700

**SECTION II- Composition/Information on Ingredients**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
PMP [Poly(4-methyl-1-pentene alpha olefin) copolymer]	68413-03-6	>98%
Inert pigment (heavy metal free)	various	<2%

This product as supplied is not considered hazardous as defined in the US Code of Federal Regulations, 29CFR 1910.1200. This product is considered an "article" as supplied for its intended and foreseen use.

All components appear on TSCA Inventory. This product contains no substances at or above the reporting threshold under Section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1986 and US Code of Federal Regulations, 40CFR part 372, based on available data.

**SECTION III- Hazards Identification**

EMERGENCY OVERVIEW: No special dangers are known. Use within specified processing parameters, high temperatures could evolve irritating and/or toxic fumes.

Potential Health Hazards:

SKIN: Not anticipated under recommended usage conditions  
EYES: Not anticipated under recommended usage conditions.  
INHALATION: Not anticipated under recommended usage conditions.  
INGESTION: Not anticipated under recommended usage conditions.  
DELAYED EFFECTS: None

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

None listed

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**Section IV- First Aid Measures**

SKIN: Not anticipated under recommended usage conditions. For hot product, immediately immerse in or flush affected area with large amounts of cold water. Cover with clean cotton sheeting or gauze and seek medical advice.

EYES: Not anticipated under recommended usage conditions. If necessary, flush eyes with plenty of water. If symptoms persist or injury is suspected, seek medical advice.

INHALATION: Not anticipated under recommended usage conditions. Remove victim to fresh air. If not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

INGESTION: Not anticipated under recommended usage conditions.

ADVICE TO PHYSICIAN: Toxic gases and vapors (such as carbon dioxide, carbon monoxide) may be released in a fire.

**SECTION V- Fire Fighting Measures**

Flammable Properties

FLASH POINT: Not determined

FLASH POINT METHOD: Not applicable

AUTO IGNITION TEMPERATURE: Not determined

UPPER FLAME LIMIT (volume % in Air): Not applicable. Non-volatile solid.

LOWER FLAME LIMIT (volume % in Air): Not applicable Non-volatile solid.

FLAME PROPAGATION RATE (solids): Not determined.

OSHA FLAMMABILITY CLASS: Not determined.

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Thermal decomposition vapors may be hazardous.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: During emergency conditions, overexposure to thermal decomposition products may cause health hazards. Use approved self-contained breathing apparatus.

**SECTION VI- Accidental Release Measures**

IN CASE OF SPILLS OR OTHER RELEASE: Sweep or pick up and dispose of in a solid waste container.

**SECTION VII- Handling and Storage**

NORMAL HANDLING: Product is physiologically inert and non-toxic at normal temperatures. At high temperatures, some decomposition products can be expected with evolution of gaseous and particulate products, which may be toxic if inhaled. Keep away from ignition sources.

STORAGE RECOMMENDATIONS: No special requirements. Store in a cool, dry area, away from direct heat or sunlight.

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**SECTION VIII- Exposure Controls/Personal Protection**

ENGINEERING CONTROLS/VENTILATION: Ensure good ventilation or exhaust if there is the possibility of fumes being evolved. Not required if material is used within specified processing parameters.

FIRE AND EXPLOSION: Not applicable

PERSONAL PROTECTIVE EQUIPMENT: None required if material is used within specified processing parameters. Normal safety equipment should always be used in an industrial environment.

ADDITIONAL RECOMMENDATIONS: Heat resistant clothing and skin covering when working with hot product.

EXPOSURE GUIDELINES/LIMITS: Not applicable

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: Not available.

**SECTION IX- Physical and Chemical Properties**

APPEARANCE: Colored or clear transparent plastic film

PHYSICAL STATE: Solid

ODOR: Odorless

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.83-0.84

SOLUBILITY IN WATER (weight %): Negligible

pH: Not applicable

BOILING POINT: Not applicable

MELTING POINT: 225-235°C

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

EVAPORATION RATE: Not applicable

% VOLATILES: Not applicable

IGNITION TEMPERATURE: Not determined.

FLASH POINT: Not determined. (Flash point method and additional flammability data are found in Section V.)

THERMAL DECOMPOSITION: See Section X.

**SECTION X- Stability and Reactivity**

CHEMICAL STABILITY: Stable under anticipated conditions of use.

CONDITIONS TO AVOID: Avoid exposure to open flame or temperatures exceeding recommended processing temperatures.

INCOMPATIBILITIES/REACTS: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will evolve carbon dioxide, carbon monoxide, and combustion byproducts (oxidized and non-oxidized hydrocarbons).

HAZARDOUS POLYMERIZATION: Will not occur.

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**SECTION XI- Toxicological Information**

GENERAL: No potential health hazards when used within processing guidelines.

IMMEDIATE (ACUTE) EFFECTS: See section III. Material is considered inert.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: None known. Material is considered inert.

TOXICITY OF PRODUCT: Non-toxic when used within recommended guidelines.

OTHER DATA: None.

**SECTION XII- Ecological Information**

No known harmful effects on the environment. Material is considered inert and not expected to be biodegradable or toxic.

Clean material may be recycled.

Dispose of material as solid waste according to local regulations.

Dispose of packaging as solid waste according to local regulations.

Incineration or landfilling in accordance with all applicable environmental control regulations.

Product as shipped is not considered a RCRA hazardous waste if discarded. This information relates only to uncontaminated product. If used in a process, which contaminates product, then disposal considerations should be re-evaluated.

**SECTION XIV- Transport Information**

US DOT HAZARD CLASS: Not regulated

US DOT ID NUMBER: Not applicable

UN No.: Not determined

ICAO/IATA: Not regulated

There is no known hazardous transportation requirements associated with this material in the form supplied based on currently available data.

**SECTION XV- Regulatory Information**

Toxic Substances Control Act (TSCA)

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

OTHER TSCA ISSUES: This product is considered an article under TSCA.

SARA Title III/CERCLA

“Reportable Quantities” (RQ’s) and/or “Threshold Planning Quantities” (TPQ’s) exist for the following ingredients.

Ingredient Name

SARA/CERCLA RQ (lb)

SARA EHS TPQ (lb)

No ingredients listed in this section.

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

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SECTION 311 HAZARD CLASS: None

The following ingredients are SARA 313 "Toxic Chemicals", CAS numbers and weight percents are found in Section II.

<u>Ingredient Name</u>	<u>Comment</u>
No ingredients listed in this section.	

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section II, the following are listed for state right-to-know purposes.

<u>Ingredient Name</u>	<u>Weight %</u>	<u>Comment</u>
No ingredients listed in this section.		

ADDITIONAL REGULATORY INFORMATION: None

WHMIS CLASSIFICATION (CANADA): Not a controlled substance. (Considered to be a manufactured article.)

FOREIGN INVENTORY STATUS: Not determined.

**SECTION XVI- Other Information**

This material safety data sheet was prepared in compliance with US OSHA Hazard Communication Standard 29CFR 1910.1200 and the European Council Directive 91/155/EEC, 67/548 and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations.

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof; however, Saint-Gobain Performance Plastics Corporation makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation.