



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polypropylene Housewrap Fabrics

PRODUCT CODE(S): PermaWrap™, PermaPro™, PermaGuard™ house wrap brands.

WHMIS Classification: Not Controlled

HMIS CODES: H F R P
0 1 0 B

SECTION I – MANUFACTURER IDENTIFICATION

Manufacturer's Name: Perma "R" Products, Inc.	
Manufacturer's Address: 606 Old Quitman Rd., Adel, GA	
Emergency Phone: 229-896-2207	Information Phone: 229-896-2207
Date Prepared: August 30, 2010	Prepared by: David Martin

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Non-hazardous, comprised mainly of polypropylene. Colored and printed fabrics contain small quantities of proprietary pigments that may be health hazards in concentrated form. Contained in the matrix of the fabric, they do not make the fabric hazardous. More details on specific colors may be available on request.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: Flexible sheet, slight odor	
Boiling Point: Not Available	Specific Gravity: 0.90 – 0.95
Vapor Density: Not Available	Evaporation Rate: Not Available
Solubility in Water: Insoluble in cold and hot water	pH: Not Available
Vapor Pressure: Not Available	Freezing Point: 120 to 170 °C
Coefficient of Oil/Water Distribution: Not soluble in water or oil.	

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 315 °C, 599° F.

Flammable Limits in Air by Volume: Lower: Not Available Upper: Not Available

Extinguishing Media: Foam, CO₂, Dry Chemical, Water

Special Firefighting Procedures: All individuals required to enter the hazard area must wear full-face, NIOSH-approved self-contained breathing apparatus and appropriate protective clothing.

Unusual Fire and Explosion Hazards: Polypropylene products are not highly flammable, but will melt and/or burn when exposed to heat or open flame. Avoid contact with molten, dripping plastic. When heated to decomposition, product emits carbon monoxide, acrid smoke and irritating fumes. Material can accumulate static charges which can cause an electrical discharge.

SECTION V – REACTIVITY DATA

Stability: Stable. Decomposition temperature > 300 °C, 572° F.

Conditions to Avoid: Temperatures above 80 °C (175 °F), oxidants.

Incompatibilities (Conditions to Avoid): Consult manufacturer before using as containment or barrier for chemicals other than water. Very slightly reactive with oxidizing agents, strong acids and strong alkalis.

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, acrolein, aldehydes, oxides of nitrogen, and hydrocarbons may be generated during thermal decomposition and combustion.

Hazardous Polymerization: Will not occur.

SECTION VI – HEALTH HAZARD DATA

Inhalation Health Risks, Symptoms of Exposure: None at ambient temperatures (-18 to 38 °C; 0 to 100 °F). Vapors which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Skin/Eye Contact Health Risks, Symptoms of Exposure: Prolonged and/or repetitive contact can cause abrasion and irritation. Contact with molten product will burn unprotected skin and eyes. Should a burn occur, cool burn area immediately with cool, clean, running water until no heat is emitted from burn area. Cover with light, dry dressing. Do not apply oily ointments or puncture blisters. Obtain medical assistance.

Ingestion Health Risks, Symptoms of Exposure: Products should not be eaten, nor used as food wrapping without consulting the manufacturer.

Health Hazards (Acute and Chronic): None.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Mutagenic Effects: None known.

Developmental Toxicity: Not toxic.

Teratogenic Effects: None known.

Medical Condition Generally Aggravated by Exposure: None identified.

Emergency and First Aid Procedures: If in contact with hot or molten plastic, treat the effected area with cool water and seek medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE
<p>Steps to be Taken in Case Material is Released or Spilled: Normal, good housekeeping practices. Use a shovel, or other appropriate instrument, to put the material into a convenient waste disposal container. Recycle to process, if possible. Spilled product may create a slipping hazard (especially if wet).</p>
<p>Waste Disposal Method: In accordance with local, state/provincial and federal regulations. Preferred disposal methods are (1) clean and reuse if possible; (2) contact plastic supplier; (4) incinerate with waste heat recovery, and/or (5) landfill.</p>
<p>Precaution to be Taken in Handling and Storage: Products may be slippery to walk on when wet. Charges of static electricity may be generated during handling and processing. Store in a cool, well-ventilated area away from incompatible materials. Do NOT store or handle near an open flame, heat or other sources of ignition.</p>

SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION
<p>Respiratory Protection: Not required under normal handling and ventilation. Should conditions exist that require respiratory protection, an organic vapor protection mask is recommended.</p>
<p>Ventilation: Local exhaust. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Small amounts of fines or dust may accumulate in material handling systems. If permitted to accumulate, these fines and dust can, under certain conditions, pose an explosion hazard. Every effort should be made to prevent the concentration or accumulation of fines or dust in, or around, material handling systems.</p>
<p>Protective Gloves: Recommended in cases of repetitive contact, such as sewing operations. Where contact may occur with hot material, wear thermal resistant gloves and arm protectors.</p>
<p>Eye Protection: Safety glasses or goggles with side shields where contact is likely at ambient temperatures (-18 to 38 °C; 0 to 100 °F). Where contact may occur with hot material, wear a face shield.</p>
<p>Other Protective Equipment or Clothing: None at ambient temperatures. Wear heat protective clothing if there is a potential for contact with molten material.</p>
<p>Work/Hygienic Practices: Wash hands after handling and before eating.</p>

SECTION IX – REGULATORY
<p>SARA Title III Hazard Category: No applicable information found.</p>

DISCLAIMER

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