



SAFETY DATA SHEET

Section 1: Product and Company Identification



Product Name: GreenGuard® Value Wrap
GreenGuard® Classic Wrap
GreenGuard® MAX
GreenGuard® RainDrop®
Lowe's Housewrap
Nautilus™
GreenGuard® C500
Duro-Weave™ Separation Sheet

Product Use: Building wraps; Building Paper

Manufacturer: Pactiv Corporation
2100 RiverEdge Parkway
Suite 175
Atlanta, GA
USA, 30328

Phone Number: (678) 589-7309

Section 2: Hazards Identification

OSHA (USA)	WHMIS Classification (Canada)	Transport Symbol	Personal Protective Equipment
Non-hazardous	 Not Controlled	Not Regulated as a dangerous good	

Emergency Overview:

USA: This product conforms to the U.S. Occupational Safety and Health Administration (OSHA) Hazard Communication Standard's definition of an "Article," i.e., "...a manufactured item: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent ... upon its shape or design ...; and (iii) which does not release, or otherwise result in exposure to, a hazardous chemical, under normal conditions of use." [29 CFR 1910.1200 (b) (6) (iv)]

This product is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard requirement

Canada: This is not a controlled product under WHMIS. This product meets the definition of a "Manufactured Article" and is not subject to the regulations of the Hazardous Products Act.

While this product is not considered hazardous this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Appearance, Color and Odor: White or colored, cross-woven polyolefin base fabric with a polyolefin coating. Typically packaged in roll form. Slight sweet, plastic odor. GreenGuard® RainDrop® cross-woven polyolefin base fabric includes black filaments to enhance surface drainage.

During a fire, dense smoke, irritating and toxic fumes may be generated.

Potential Health Effects

ACUTE (short term):

Relevant Route(s) of Exposure: Skin contact, Eye contact.

Inhalation: No health effects expected with normal use of the product.

Ingestion: Not an applicable route of occupational exposure.

Skin: No health effects expected with normal use of the product.

Eye: Direct contact with the eyes may cause temporary irritation as a foreign object in the eye.

Section 2: Hazards Identification, continued

CHRONIC (long term):

No health effects expected with normal use of the product.

Medical Conditions Aggravated by Exposure: Not applicable
Interactions With Other Chemicals: Not applicable
Potential Environmental Effects: Not available

Section 3: Composition / Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Wt.%</u>
No hazardous ingredients by OSHA and WHMIS criteria.		

Section 4: First Aid Measures

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. Obtain medical advice.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice.

Skin Contact: Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice.

Ingestion: Not an expected route of exposure; no first aid measures expected to be required.

Section 5: Fire Fighting Measures

Flammable Properties: This product can burn when exposed to extreme heat and sources of ignition.

Suitable extinguishing Media: Use water spray, foam, carbon dioxide, dry chemical, or other extinguishing media appropriate for the surrounding fire.

Unsuitable extinguishing Media: Water or foam may cause frothing. Use water to keep fire-exposed material cool.

Explosion Data:

Sensitivity to Mechanical Impact: Not applicable

Sensitivity to Static Discharge: Handling rolls and sheets may result in the accumulation of a static charge, particularly in low humidity environments. Static discharge may be dangerous in areas where flammable vapors or combustible dusts are present in sufficiently high concentrations.

Specific Hazards arising from the Chemical: Combustion of the product is expected to produce carbon dioxide, carbon monoxide, irritating, and potentially toxic, fumes and dense black smoke. Well-established fires involving this product are difficult to bring under control.

Protective Equipment and precautions for firefighters: As for any fire, evacuate the area and fight the fire from a safe distance. Wear a pressure-demand, self-contained breathing apparatus and full protective gear. Fight fire from a protected location or a safe distance.

NFPA

Health:	0
Flammability:	1
Instability:	0

Section 6: Accidental Release Measures

- Personal Precautions:** Wear proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** It is good practice to prevent release of this product into the environment.
- Methods for Containment:** Isolate the spill area.
- Methods for Clean-up:** Sweep, scoop or vacuum product for recovery or disposal.

Section 7: Handling and Storage

- Handling:** During cutting machining operations, avoid contact with eyes and skin; do not breathe in any dust. Wear protective gloves. Take precautions to protect employees handling large rolls. See Section 8 for Personal Protective Clothing.
- Storage:** Store in a cool dry space away from extreme high temperatures, open flames, strong oxidizers, combustible materials, hot areas or other ignition sources. Avoid prolonged storage in direct sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

<u>Ingredient</u>	<u>ACGIH TLV (8-hr. TWA)</u> mg/m ³	<u>U.S. OSHA PEL (8-hr. TWA)</u> mg/m ³	<u>Ontario (Canada) TWAEV</u> mg/m ³
Inhalable dust	Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS) 3 (respirable) 10 (inhalable)	Particles (insoluble or poorly soluble) Not Otherwise Regulated (PNOR) 5 (respirable) 15 (total dust)	Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS) 3 (respirable) 10 (inhalable)

Exposure Controls

- Engineering Controls:** Provide general ventilation to control dust concentrations below exposure limits.
- Personal Protection:** Follow the directions for personal protective equipment for the worksite.
- Eye/Face Protection:** Not required for normal use of this product however, however it is good practice to wear safety glasses.
- Skin Protection:** Not required for normal use of this product however, however it is good practice to wear gloves and clean body-covering clothing.
- Respiratory Protection:** Not required for normal use of this product.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or Canadian Standards Association (CSA) Standard Z94.4-2002 must be followed whenever workplace conditions warrant a respirator's use.
- Other Protective Equipment:** Not applicable
- General Hygiene Measures:** Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

Section 9: Physical and Chemical Properties

Physical State:	Solid	Flash Point & method:	Solid material, may burn at or above 316°C (600°F)
Appearance, Color and Odor:	White or colored, cross-woven polyolefin base fabric with a polyolefin coating. Slight sweet, plastic odor.	Autoignition Temperature:	Not available
Odor Threshold:	Not available	Flammability Limits in Air:	Not available
pH:	Not applicable	Vapor Pressure:	Not available
Specific Gravity(water = 1):	0.90	Vapor Density (Air = 1):	Not available
Partition coefficient: (n-octanol/water)	Not available	Evaporation Rate: (n-Butyl Acetate = 1)	Not available
Solubility:	Insoluble in water	Boiling Point/Range:	Not available
Decomposition Temperature:	>300°C (572°F)	Melting Point:	160°C (320°F)

Section 10: Stability and Reactivity

Chemical Stability:	Stable
Conditions to Avoid:	Avoid extreme high temperatures, and fire.
Incompatible Materials:	Strong oxidizers, aromatic and chlorinated hydrocarbons.
Hazardous Decomposition Products:	Thermal decomposition and incomplete combustion can produce acids, acrolein, aldehydes, carbon monoxide, carbon dioxide, halogens, ketones, monomers and possible hydrocarbons.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.

Section 11: Toxicological Information

Acute Toxicity Data

Acute toxicity data are not available for this article.

Other Toxicity Data

Irritation:	Not applicable
Corrosivity:	Not applicable
Sensitization:	Not applicable
Carcinogenicity:	The component substances are not classified as carcinogens in humans as described by ACGIH (American Conference of Governmental Industrial Hygienists) and IARC (International Agency for Research on Cancer).
Neurological Effects:	Not applicable
Genetic Effects:	Not applicable
Reproductive Effects:	Not applicable
Developmental Effects:	Not applicable
Target Organ Effects:	Not applicable

Section 12: Ecological Information

Ecotoxicity: Not available
Persistence/Degradability: This product is not readily bio-degradable.
Bioaccumulation/Accumulation: Not applicable
Mobility: Not available

Section 13: Disposal Considerations

Waste Disposal Method: Where facilities exist, the product and packaging can be recycled. Dispose of in accordance with local, state/provincial and federal laws and regulations. Store material for disposal as indicated in Section 7 Handling and Storage.

Section 14: Transport Information:

U.S. Hazardous Materials Regulation (DOT 49CFR): Not regulated as a dangerous good for transport.
Canadian Transportation of Dangerous Goods (TDG): Not regulated
IMDG: Not regulated
ICAO/IATA: Not regulated

Section 15: Regulatory Information

USA

SARA Title III
Sec. 302/304: None
Sec: 311/312: Not applicable
Sec. 313: None
CERCLA RQ: None

California Prop 65: This product contains Carbon Black (<0.1% w/w) embedded in a polyolefin resin. As sold, this product does not contain Carbon Black as airborne, or unbound particles of respirable size (particles less than 10µm).

Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the SDS contains all the information required by the *Controlled Products Regulations*.

WHMIS Classification: Not controlled.
(for workplace exposures) Product meets the definition of a "manufactured article" and is not subject to the regulations of the Hazardous Products Act.

DSL Status: This product meets the definition of an article under the NSNR (New Substance Notification Regulations).

NPRI Substances: There are no NPRI reportable substances in this product.

Section 16: Other Information

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