

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **GreenGuard® Ultra Wrap Housewrap**

SUPPLIER: Pactiv Building Products  
2100 RiverEdge Parkway, Suite 175  
Atlanta, GA 30328

CONTACTS: For additional product and/or MSDS information, please contact your Pactiv Building Products sales representative or customer service representative. (1-800 227-7339, Extension 7309)

## 2. COMPOSITION / INGREDIENTS INFORMATION

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: 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) ]

## 3. HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION: Product assessed in accordance with OSHA requirements, per 29 CFR 1910.1200, and determined to be not hazardous.

EFFECTS OF OVEREXPOSURE: No significant effects expected.

EMERGENCY RESPONSE DATA: Tan and green, textured plastic sheeting. Fire generates dense smoke, toxic fumes.

HMIS HAZARD IDENTIFICATION CODE: ( Health: 0 ) ( Flammability: 1 ) ( Reactivity: 0 )

NFPA HAZARD IDENTIFICATION CODE: ( Health: 0 ) ( Flammability: 1 ) ( Reactivity: 0 )

## 4. FIRST AID MEASURES

EYE CONTACT: Not expected to be a problem. Loosened particles or fibers may cause slight discomfort, such as that experienced from airborne dust. Flush eyes with water.

SKIN CONTACT: Not expected to be a problem. Wash exposed skin with soap and water.

INHALATION: Not expected to be a problem. If adverse effects occur, remove from exposure.

INGESTION: Not expected to be a problem. No significant health hazards identified. Ingestion of large amounts may cause gastrointestinal distress requiring medical attention.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Agents approved for Class A hazards, including carbon dioxide, foam, dry chemical, water fog

SPECIAL FIREFIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire-exposed material cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

FIREFIGHTING EQUIPMENT: Positive pressure self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARD: This material will ignite if exposed to fire of sufficient heat and intensity. Protect this material from exposure to open flame or other ignition sources during shipping, storage, and installation.

Flash Point: Not Applicable

Autoignition Temperature: Not Determined

Flammable Limits: LEL and UEL Not Determined

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, possible hydrocarbon fragments, monomers, acrolein, halogens, acids, ketones, aldehydes

# MATERIAL SAFETY DATA SHEET

Page 2

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## 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Not expected to be a problem.  
RELEASE / SPILL PROCEDURES: Pick-up and dispose as normal refuse.  
ENVIRONMENTAL PRECAUTIONS: Normal good environmental housekeeping, i.e., prevent spills from entering storm sewers / drains, and prevent disposal in local soil.  
PERSONAL PRECAUTIONS: See Section 8.

## 7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene and workplace safety practices. Provide adequate ventilation.  
STORAGE: Store away from heat, ignition sources, open flame, combustible materials, strong oxidizers.  
PRECAUTIONS: Keep away from sources of ignition, e.g.: heat and open flame.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: No special equipment required. Use in adequately ventilated area.  
RESPIRATORY PROTECTION: No special equipment required under ordinary conditions of use and with adequate ventilation.  
EYE PROTECTION: No special equipment required. However, use of eye protection is good practice.  
SKIN PROTECTION: No special equipment required. However, use of protective gloves / clothing is good practice.  
EXPOSURE LIMITS: Polyethylene: None Established

## 9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Thin, plastic sheeting, typically packaged in roll form  
AUTOIGNITION TEMP.: Not Determined  
COLOR: Tan and green  
FLAMMABILITY: Not Classified  
FLASH POINT: Not Applicable  
FREEZING POINT: Not Established  
MELTING POINT: 320° F. (116° C.)  
ODOR: Slightly sweet, slight plastic odor  
SOLUBILITY IN WATER: Negligible  
SPECIFIC GRAVITY: 0.90 ( Water = 1.0 )

## 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable  
CONDITIONS TO AVOID: Extreme heat and ignition sources, e.g.: sparks, open flames  
INCOMPATIBILITY: Strong oxidizers; aromatic and chlorinated hydrocarbons  
HAZARDOUS DECOMPOSITION: Incomplete combustion can produce acids, acrolein, aldehydes, carbon monoxide, halogens, ketones, monomers, possible hydrocarbons  
HAZARDOUS POLYMERIZATION: Will not occur.

## 11. TOXICOLOGICAL DATA

ACUTE TOXICITY: Toxicity tests have not been conducted on this specific product. Hazards evaluation based on information available for similar products, ingredient materials, technical literature, etc.

CARCINOGENIC COMPONENTS: None at 0.1% + concentration identified by IARC, NTP, OSHA;

# MATERIAL SAFETY DATA SHEET

Page 3

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## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Ecological testing of this product has not been conducted. Components of this product photodegrade under lengthy exposures to UV light. Their proper incineration in state-of-the art incinerators equipped with after-burners yields carbon dioxide and water. Polymer materials may not decompose in modern sanitary landfills. Component materials may be recycled where adequate collection infrastructure and appropriate recycling facilities exist.

## 13. DISPOSAL CONSIDERATIONS (Based on evaluations of similar products and/or the components)

WASTE DISPOSAL: Dispose of waste as normal refuse, in accordance with local regulations.

RCRA INFORMATION: The unused product is not, in our opinion, specifically listed by U.S. EPA as a hazardous waste [ 40 CFR 261D ]. It is not formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity, and it is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure. Used product may be regulated, however.

## 14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:	Not Regulated
INTERNATIONAL SEA TRANSPORT / I.M.O.; I.M.D.G.:	Not Determined / Not Regulated
INTERNATIONAL AIR TRANSPORT / I.A.T.A.; I.C.A.O.:	Not Determined / Not Regulated
EUROPEAN ROAD & RAIL / A.D.R.; R.I.D.:	Not Determined
CANADIAN TRANSPORT OF DANGEROUS GOODS:	Not Determined

## 15. REGULATORY INFORMATION

CERCLA 102A / 103: Product is not a Reportable Hazardous Substance under 40 CFR 302.4.  
OSHA: Product is unregulated "Article" under OSHA HazCom 29 CFR 1910.1200 (b)(6)(iv).  
TSCA: All components comply with U.S. Toxic Substances Control Act requirements.  
SARA III, Sec. 302: Product is not an "Extremely Hazardous Substance" under 40 CFR 355.  
SARA III, Sec. 311/312: No Reportable Hazard Categories under 40 CFR 370.  
SARA III, Sec. 313: Components not reportable under Toxic Release program, per 40 CFR 372.

## 16. OTHER INFORMATION

CHEMICAL NAMES: Polyolefin Polymer Blend  
INTENDED USE: Building Paper  
INGREDIENTS: Major Components: Polyethylene, CAS No. 09002-88-4

Information provided by sources external to our company and set forth herein is offered in good faith as accurate, but without guarantee. Safety precautions contained herein cannot anticipate all individual and unique situations. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are, therefore, assumed by the user, and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing herein is intended as recommendation for uses which infringe valid patents or as extension of license under valid patents. Appropriate warnings and safe handling procedures should be provided to users.

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