

Tyvek® bags meet the requirements of the U. S. Food and Drug Administration for use in direct contact with food and drugs.

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REGULATORY INFORMATION

Occupational Safety & Health Act (OSHA): Tyvek(R) is considered a non-hazardous material under provision of the Hazard Communication Standard (29 CFR 1910.1200).

Excerpts from the DuPont Material Safety Data Sheet. (This MSDS is not required but is provided as a service.)

MATERIAL SAFETY DATA SHEET

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TYVEK(R) SPUNBONDED OLEFIN

Company Identification: DuPont, 1007 Market Street, Wilmington, DE 19898

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COMPOSITION/INFORMATION ON INGREDIENTS

Components

Polyethylene	9002-88-4 >98
Proprietary Antistatic Agent	0-1.3

Components (Remarks)

DuPont Tyvek(R) is a continuous fiber form of high density polyethylene composed of carbon and hydrogen. The polymer contains typical polyolefin processing additives, each of which is present at a weight concentration of less than 1.0%

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HAZARDS IDENTIFICATION

Potential Health Effects

Tyvek(R) has been manufactured and converted into industrial and consumer products since 1967 without any identifiable health effects. Skin contact should produce no skin irritation or swelling.

Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

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FIRE FIGHTING MEASURES

Flammable Properties

Tyvek(R) should not be used near heat, flame, sparks nor in explosive environments. If the heat source reaches the auto-ignition temperature of 750F (400C), Tyvek(R) will burn and ignited droplets may fall or be blown away from the ignition source, which can cause fire to spread.

Extinguishing Media: Water, Dry Chemical, CO2.

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HANDLING AND STORAGE

Storage: Do not store with strong oxidizing acids. Keep from excessive heat and flames.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face	None normally needed.
Respirator	None normally needed.
Protective Gloves	None normally needed.

Applicable Exposure Limits

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established

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PHYSICAL AND CHEMICAL PROPERTIES  
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Physical Data

% Volatiles : <0.1 WT% @ 25 C (77 F)  
Solubility in Water Insoluble  
Odor Odorless  
Color White

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STABILITY AND REACTIVITY  
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- Chemical Stability: Stable.
- Incompatibility with Other Materials
- Products made from Tyvek(R) should not be stored in contact with strong oxidizing agents
- Decomposition
- Exothermic oxidation starts to occur at 335 C (635 F).
- Autoignition occurs at 400 C (750 F).
- Incomplete combustion yields hazardous gases/vapors including CO, acrolein, other aldehydes, ketones, fatty acids, and short-chain hydrocarbons.
- Polymerization will not occur.

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ECOLOGICAL INFORMATION  
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Ecotoxicological Information: Non-toxic - insoluble

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DISPOSAL CONSIDERATIONS  
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Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

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TRANSPORTATION INFORMATION  
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Shipping Information

DOT/IMO Proper Shipping Name : DuPont Tyvek (R)  
DOT Hazard Class Not regulated material  
I.D. No. (UN/NA) Not regulated material  
DOT Label(s) Not regulated material  
Subsidiary Hazard Class Not regulated material  
Reportable quantity Not regulated material

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REGULATORY INFORMATION  
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U.S. Federal Regulations

- Toxic Substance Control Act: Tyvek(R) is considered an "article" under provisions of TSCA.
- Occupational Safety & Health Act (OSHA): Tyvek(R) is considered a non-hazardous material under provision of the Hazard Communication Standard (29 CFR 1910.)
- Resource Conservation and Recovery Act (RCRA): Tyvek(R) is not a hazardous waste as defined by regulations implementing the Resource Conservation and Recovery Act.
- Tyvek(R) waste materials should be disposed of in compliance with Federal, State and Local regulations. Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill.
- Tyvek(R) is not regulated as hazardous waste and is not subject to Superfund tax.
- Emergency Planning & Community Right-To-Know Act (EPCRA): Tyvek(R) contains no chemicals in concentrations reportable under Section 313 of EPCRA.