

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

### **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**

TYVEK(R) SPUNBONDED OLEFIN

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

### **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%

### **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.

### **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.

### **HANDLING AND STORAGE**

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

### **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

### PHYSICAL AND CHEMICAL PROPERTIES

#### Physical Data

**% Volatiles:** <0.1 WT% @ 25 C (77 F)

**Solubility in Water:** Insoluble

**Odor:** Odorless

**Color:** White

### STABILITY AND REACTIVITY

- **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.

### ECOLOGICAL INFORMATION

**Ecotoxicological Information:** Non-toxic - insoluble

### DISPOSAL CONSIDERATIONS

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

### TRANSPORTATION INFORMATION

#### 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

### REGULATORY INFORMATION

#### 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.