



# MATERIAL SAFETY DATA SHEET

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DATE PREPARED: January 2001

## SECTION I PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

**PRODUCT NAME:** This MSDS is applicable to all polyethylene based films manufactured by FlexSol Packaging Corp.

**CHEMICAL NAME:**

Polyethylene or Ethylene-Olefin Copolymer

**CHEMICAL FAMILY:**

Ethylene-Based Polymer

**PRODUCT DESCRIPTION:**

A thin film based upon Polyethylene polymers

**EMERGENCY TELEPHONE NUMBER**

**1-800-325-7740**

## SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is not hazardous as defined in, 29 CFR1910.1200

## SECTION 3 HEALTH INFORMATION & PROTECTION

### NATURE OF HAZARD

**EYE CONTACT:**

Particulates may scratch eye surfaces/cause mechanical irritation.

**SKIN CONTACT:**

Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F).

Exposure to hot material may cause thermal burns.

**INHALATION:**

Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F) Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Low order of toxicity.

**INGESTION:**

Minimal toxicity.

**FIRST AID EYE CONTACT:**

This product is an inert solid. If piece gets in eye, remove as one would any foreign object.

**SKIN CONTACT:**

For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. **No** attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

**INHALATION:**

First aid is normally not required

**INGESTION:**

First aid is normally not required.

### WORKPLACE EXPOSURE LIMITS

**OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:**

5 mg/m<sup>3</sup> (respirable dust), and 15 mg/m<sup>3</sup> (total dust) based on the OSHA PEL for nuisance dust.

**THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:**

a TWA of 10 mg/m<sup>3</sup> (total dust) for nuisance dust.

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## PRECAUTIONS

### PERSONAL PROTECTION:

For open systems at ambient temperature (-18 to 38 degrees C) where contact is likely, wear safety glasses with side shields. Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

### VENTILATION:

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

## SECTION 4 FIRE & EXPLOSION HAZARD

**FLASHPOINT:** 649 Deg F. **METHOD:** ASTM E136 **NOTE:** Estimated Minimum

**FLAMMABLE LIMITS:** **NOTE:** Not applicable

**AUTOIGNITION TEMPERATURE:** 649 Deg F. **NOTE:** Estimated Minimum

### GENERAL HAZARD:

Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited.

Toxic gases will form upon combustion.

Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge

### FIRE FIGHTING:

Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire.

Respiratory and eye protection required for fire fighting personnel.

### HAZARDOUS COMBUSTION PRODUCTS:

Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

## SECTION 5 SPILL CONTROL/ACCIDENTAL RELEASE

PROCEDURE (applicable to material in pellet form only)

### LAND SPILL:

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### WATER SPILL:

Plastic pellets are defined by the US EPA under the Clean Water Act (40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties. Skim from surface.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Recover the spilled material and place in suitable containers for recycle or disposal.

## SECTION 6 NOTES

### NOTES:

#### SPECIAL PRECAUTIONS:

Should significant vapors/fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures. It is recommended that the current ACGIH-TLVs for these materials be observed.

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## HAZARD RATING SYSTEMS:

This information is for people trained in:  
National Paint & Coatings Association's (NPCA)  
Hazardous Materials Identification System (HMIS)  
National Fire Protection Association (NFPA 704)  
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY	1	1	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

## SECTION 7 REGULATORY INFORMATION

### DEPARTMENT OF TRANSPORTATION (DOT):

**DOT HAZARD CLASS:** Not regulated

**DOT IDENTIFICATION NUMBER:** Not Available

**FLASHPOINT:** 649 Deg F. **METHOD:** AS1-M E136 **NOTE:** Estimated Minimum

### TSCA:

This product is listed on the TSCA Inventory.

### CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

### SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Not Hazardous.

This product does not contain Section 313 Reportable Ingredients.

## SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

### SPECIFIC GRAVITY:

0.910 to 0.970

### VAPOR PRESSURE, mmHg at 'F:

Not applicable

### SOLUBILITY IN WATER, WT.

Insoluble

### VISCOSITY OF LIQUID, CST AT 'F:

Not applicable

### SP. GRAV. OF VAPOR, at 1 atm (air=1)

Not applicable

### FREEZING/MELTING POINT, 'F

225 to 229 Deg F

### EVAPORATION RATE, n-Bu Acetate=1:

Not applicable

### BOILING POINT, . F:

Not applicable

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## SECTION 9 REACTIVITY DATA

**STABILITY:**

Stable

**HAZARDOUS POLYMERIZATION:**

Will not occur

**CONDITIONS TO AVOID INSTABILITY:**

Temperatures over 650 F ( 343 C) may cause resin degradation.

**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:**

Fluorine  
Strong Oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Not applicable

## SECTION 10 STORAGE AND HANDLING

**ELECTROSTATIC ACCUMULATION HAZARD:**

Yes, use proper grounding procedure

**STORAGE TEMPERATURE, 'F:**

Ambient

**LOADING/UNLOADING TEMPERATURE, 'F:**

Ambient

**STORAGE/TRANSPORT PRESSURE, mmHg:**

Atmospheric

**VISC. AT LOADING/UNLOADING TEMP.. cST:**

Solid

**REVISION SUMMARY:** Updated from Essex To FlexSol

**REFERENCE NUMBER:**

FSLMSDS1

**DATE PREPARED:**

January 2001

**SUPERSEDES ISSUE DATE**

XSMSDS1 Aug 1998

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE

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