

SECTION 1 - Identification Data

Product: TPU film

Product ID: XPEL RX

Chemical Names and Synonyms: Thermoplastic polyurethane film

Chemical Family: TPU polyurethane

SECTION 2 - Typical Chemical and Physical Properties

Form / Appearance: Plastic Film

Color: Natural

Odor: Essentially None

Vapor Pressure in mm Hg: Not Available

Boiling Point: Not Available

Decomposition Temperature: Not Available

Solubility in Water: Negligible

Relative Density: approximately 1.15 g /cc

Percent Volatile: By Wt. 0.0 By Volume 0.0

SECTION 3 - Ingredients

Chemical Name	C.A.S. Number:	Composition
Thermoplastic Urethane Film	Not Disclosed	99.06 %
Zinc Pyrithione	13463-41-7	< 0.04%

SECTION 4 - Fire and Explosion Data

Flash Point: > 500o F (ASTM D-56)

Autoignition Point: Not Available

Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical, and Water

Special Fire Fighting Procedures: Water or foam may cause frothing. Use water to cool materials and containers exposed to fire. Water Spray may be used to flush spills away from exposure. For fires in enclosed areas fire fighters must use self contained breathing apparatus. Prevent run off from fire control or dilution from entering streams or water supply.

Unusual Fire and Explosion Hazards: None known.

NFPA Hazard ID: Health: 0, Flammability: 1, Reactivity: 0

SECTION 5 - Emergency and First Aid Procedures

Eye contact: Flush with water.

Skin Contact: If burned by contact with hot material, cool molten material adhering to skin as rapidly as possible with water. See a physician for removal of adhering material and treatment of burn. Wash area with soap and water.

SECTION 6 - Reactivity Data

Stability (Thermal, Light, etc.): Stable

Conditions to Avoid: Extreme Heat

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition Products: Unknown due to the complex nature of this material. Fumes from complete or incomplete combustion of this material may include oxides of carbon, oxides of nitrogen, water vapor, cyanic acid, or a wide variety of innocuous or toxic fumes.

Hazardous Polymerization: Will not occur.

SECTION 7 - Health Hazard Data

Note: This is a plastic film and not expected to be a health hazard with normal handling and use. With proper ventilation this product can be processed without exposing employees to unacceptable levels of components or decomposition products.

The information shown below refers generally to components of the product but as required by OSHA 1910.1200 the hazard of any ingredient must be extended to the product as a whole unless testing of the product has been performed.

Ingestion: No hazard known at this time.

Absorption: No hazard known at this time.

Inhalation: Irritation from fumes from hot material.

Contact: No hazard known at this time.

Corrosion: No hazard known at this time.

Flammability: Not Applicable.

First Aid: Not normally required.

Skin Contact: Normally only a problem at elevated temperatures. See Section 5 Emergency and First Aid Procedures.

Symptoms of Overexposure: Irritation from fumes of hot material may occur.

Medical Conditions Aggravated by Exposure : None known

Chronic Effects: None known

SECTION 8 - Special Protection Information

Eye Protection: Normal industrial eye protection practices should be employed. No special equipment is required.

Skin Protection: Gloves as required to handle hot material. No special equipment required. However, good personal hygiene practices should be followed.

Respiratory Protection: No special requirements under ordinary conditions of use and with adequate ventilation.

Ventilation: No special requirements under ordinary conditions of use. When product is heated local exhaust is advised.

SECTION 9 - Spill-Leak / Environmental

General: As rolled film this material should not result in spills. However, scrap and material off fall should be placed in suitable containers for disposal in a licensed facility.

Waste Disposal: Incinerate or bury in a licensed facility.

Container Disposal: Unused material and empty containers must be disposed of in accordance with local, state, and federal regulations

SECTION 10 - Storage and Handling

No special handling required. Keep product clean and dry. Protect from extreme heat and strong oxidizers.

SECTION 11 - Storage and Handling

TSCA Inventory Status: TPU Resin used to produce film is listed

RCRA Hazard Waste No.: NA

CERCLA: No.

SARA Title III, Section 313: Not listed

While XPEL, Inc., believes the data set forth herein is accurate as the date hereof, XPEL makes no warranty with respect thereon. Such data are offered solely for consideration, investigation, and verification.