



## MATERIAL SAFETY DATA SHEET

### Regal Polyester – AH82, SH71, SH82 & SR50

#### SECTION I - PRODUCT IDENTIFICATION

##### Regal Polyester Film

**Product Description:** Single or Multilayer Oriented Polyester

**Basic Chemical Composition:**

	Polyethylene Terephthalate	80-100%
If Present:	Modified Glycol &/or Isophthalate Copolymer	0-20%
	Polyethylene &/or Polypropylene	0-5%
	Organic Fillers	0-5%

#### SECTION II – PHYSICAL PROPERTIES

Appearance:	Clear or Hazy &/or Yellowish or Bluish Also may include some other colors
Order:	Odorless
Melting Point:	200 ~ 265°C
Density:	1.3 ~ 1.4g/ml
Flash/Ignition Temp:	497°C
Heat of Combustion:	23.5 ml/kg
Specific Heat:	1.34Kj/Kg @ 25°C (for Plain Films)
Thermal Conductivity:	$3.4 \times 10^4$ cal/cm <sup>3</sup> . sec. <sup>0</sup> c
Solubility:	Insoluble in water
Volatility:	Negligible up to 300°C

Trade names and synonym suffixes denoting type of Regal Graphic films such as (DS, SA, SC, SD, SG, SH, SL, SM, SP, SR, SW, SX) and T's and prefixes for thickness such as 12u or 100ga etc., does not alter the chemical properties or information provided herewith.

#### SECTION III – HEALTH AND TOXICOLOGY INFORMATION

Polyester Film is inert in its physical state and non-reactive.

Skin Effect – None

Inhalation – No adverse effects.

Ingestion – No effect, however, should be avoided.

Carcinogenic and Mutagenic effects – Information not available.



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#### SECTION IV – FIRST AID MEASURES

**INHALATION:** If exposed to fumes from overheating or combustion, move to fresh air. Consult physician if symptoms persist.

**SKIN CONTACT:** Very unlikely for PET to have hazardous effect on skin, but it is recommended to wash hands and skin after handling. If molten PET polymer gets on skin, cool rapidly with cold water. Obtain medical attention immediately for any resulting thermal burns.

**EYE CONTACT:** Immediately flush with plenty of water. Obtain medical attention if necessary.

**INGESTION:** Consult physician if ingested.

#### SECTION V – FIRE FIGHTING MEASURES

Regal Polyester film is combustible.

During processing, film may build up static charge. Static Eliminators are strongly recommended.

##### FIRE AND EXPLOSIVE HAZARDS

During combustion, hazardous byproducts are produced; these include carbon dioxide, carbon monoxide, organic acids, aldehydes and alcohols.

**EXTINGUISHING MEDIA:** Water, Foam, Dry Chemical and Carbon Dioxide.

**FIRE EXTINGUISHING INSTRUCTIONS:** Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus with full proactive equipment.

#### SECTION VI – DISPOSAL METHODS

Preferred options for disposal include RECYCLING, INCINERATION, with ENERGY RECOVERY and LANDFILL.

Treatment, Storage, Transportation, and Disposal must be done in accordance with applicable Federal, State and Local Regulations.



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#### SECTION VII – ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

Please review FIRE FIGHTING MEASURES and HEALTH HAZARDS INFORMATION before proceeding with clean up

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

#### SECTION VIII – ECOLOGICAL INFORMATION

Ecotoxicological Information:

Aquatic Toxicity: No Information is available.

Based upon Insolubility of PET in water, Toxicity is expected to be very low.

#### SECTION IX – REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status: Information is not available.

TITLE III HAZARD CLASSIFICATION: Information not available.