

Safety Information for Hostaphan® Polyester Film

Hostaphan® White Polyester Film

Emergency Contact

For Emergency, call 864-879-5000

Product Identification

This MSDS applies to white opaque Hostaphan® W-Series polyester films. These products are polyethylene terephthalate (CAS# 25038-59-9) containing barium sulfate (CAS# 7727-43-7).

Hazardous Ingredients

Low levels of Acetaldehyde (CAS# 75-07-0) are present in the film. Under normal use conditions, release would be negligible.

Established exposure limits for acetaldehyde in the U.S. are:

ACGIH TLV = 25 ppm (ceiling)
OSHA PE = 200 ppm TWA

The film also contains Barium Sulfate immobilized in the polymer matrix. Under normal use conditions, exposure is not expected. However, machining, grinding, or other dusting conditions should be monitored and respirable dust and particulate exposure maintained below established exposure limits.

Established exposure limits for barium sulfate in the U.S. are:

ACGIH TWA = 10 mg/m³
OSHA PEL = 5 mg/m³ (respirable fraction)
= 15 mg/m³ (total dust)

Physical-Chemical Data

The white, odorless film is chemically stable and resistant to attack by oils, solvents, weak acids and weak alkalis. The film melts at ~250°C and decomposes at temperatures above 250°C. It has a specific gravity of 1.4 - 1.5.

Physical Hazards

Heavy gauges of polyester film can contain sharp edges. Proper protective gear, such as gloves, is recommended.

Unwinding, winding and passage of polyethylene terephthalate film through and over rollers will tend to generate a strong electrostatic charge on the web. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the web. This is particularly required in potentially explosive atmospheres and to protect personnel from the effect of a static discharge.

Health Hazard Data

No adverse health effects have been attributed to polyester film.

Hazard Designations

	<u>NFPA</u>	<u>KEY</u>
Health:	0	0-None
Flammability:	1	1-Slight
Reactivity:	0	2-Moderate
		3-Severe
		4-Extreme

Control Measures and Safe Handling Procedures

The film will burn if exposed to flame. Fire fighters should protect themselves from hazardous decomposition and combustion products that may include acetaldehyde, carbon monoxide and other toxic gases. Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to products of combustion exists. Fire fighting extinguishing media include carbon dioxide, water spray, foam or dry chemical.

If the film could be subjected to conditions releasing acetaldehyde, then adequate ventilation should be used to stay below the established exposure limits, or self-contained breathing apparatus should be used.

Disposal and Shipping Information

Polyester film is not classified as a hazardous waste under the Resource Conservation and Recovery Act and, unless prohibited by state or local regulation, can be disposed of in a municipal landfill or incinerated.

This product is not classified by the Department of Transportation as a hazardous material.

Regulatory**U.S. Regulations**

This product is classified as an article under the TSCA.
State RTK - MA, PA (Barium Sulfate, CAS# 7727-43-7)
No components are listed on SARA 313.

Canada and Europe

Polyethylene terephthalate polymer is listed on the Canadian DSL and its reactants are listed on EINECS.

Information Contact

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