



MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION: HEAT TRANSFER FILM – GRAPHITE FOILS

SYNONYMS: COATED POLYESTER FILMS

CHEMICAL FAMILY: NOT APPLICABLE

CPS RESOURCES, INC.

2000 INNOVATION DRIVE

INDIAN TRAIL, NC 28079

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SECTION II: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CASE NO.</u>	<u>WEIGHT (%)</u>
Acrylic Copolymer	-	20 – 25
Silica Powder	-	N/A
Synthetic Resin	-	N/A
Toluene	108-88-3	30 – 35
MEK	78-93-3	3 - 5
Ethyl Acetate	141-78-6	N/A
Synthetic Wax	-	N/A
Red Pigment	5281-04-9	N/A
Black Pigment	1333-86-4	N/A
Yellow Pigment	5468-75-7	N/A
Blue Pigment	147-14-8	N/A
Chlorinated Polypropylene	-	N/A
Titanium Dioxide	-	N/A
Silica Dioxide	-	N/A

SECTION III: HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor-

Spooled plastic film of various printed colors and designs.
Has a characteristic odor.

Statement of Hazard:

Dust produced in slitting/cutting.

POTENTIAL HEALTH EFFECTS

Effects of Overexposure:

Inhalation-	Material as shipped causes no health problems. Processing that could release dust such as cutting or sanding could result in mild respiratory irritation.
Chronic (Delayed) Effects	-None Known
Signs and Symptoms of Overexposure (by dust)	-Eye or respiratory itching, scratching or dryness
Eye Exposure-	Dust may temporarily irritate eyes.
Skin Exposure-	No effect known
Ingestion-	Ingestion of small amounts has no known effect.

SECTION IV: FIRST-AID MEASURES

Eyes-	Do not rub with hands, flush with water while holding eyelids open. Consult Physician if irritation persists.
Inhalation-	Remove exposed person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Consult with a physician if necessary.
Skin-	Wash exposed skin areas with soap and water.
Ingestion-	Not an expected route of exposure

SECTION V: FIRE FIGHTING INFORMATION

Flashpoint:	Not Applicable
Flammable Limits:	Not Applicable
Auto Ignition Temperature:	Not Applicable
Flammability Classification:	Product is combustible plastic film.
Products of Combustion:	Can include carbon monoxide or carbon dioxide.

FIRE FIGHTING GUIDELINES

Extinguishing Media:	Class A or B extinguisher, foam, dry chemical, water Wear respirator (pressure demand) self contained breathing apparatus, and full protective gear for working fires.
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SECTION VI: ACCIDENTAL RELEASE MEASURES

Ventilation:	Provide local exhaust ventilation that captures dust during cutting or sanding operations.
Eyes:	Wear eye protection
Skin:	Wash skin with water and soap.
Clean-up:	Vacuum dust that may be generated.

SECTION VII: HANDLING AND STORAGE

Handling: Avoid skin contact with sharp film edges.
Storage: To maintain the quality of the film store away from direct sunlight in a cool dry atmosphere between 60-80 degrees and 40% humidity. No special safety precautions are necessary.

SECTION VIII: PROTECTION FROM OVEREXPOSURE

VENTILATION AND CONTAINMENT

Ventilation: Provide local exhaust ventilation that captures dust during cutting or sanding operations.
Respiratory: If ventilation/ containment measures do not reliably protect against inhalation overexposure wear an approved respirator suitable for protection from the dust concentrations.
Eyes: Wear goggles
Skin Protection: Wear clothing that will cover the skin as applicable.
Over Protective Measure: Source of running water for cleaning skin and eyes should be available.
Personal Hygiene: Wash hands and face with soap and water after handling especially before eating or smoking.

SECTION IX: PHYSICAL AND CHEMICAL DATA

Form: Coated Polyester Film.
Color: Various
Vapor Density: Not Applicable
Specific Gravity: Not Applicable

SECTION X: STABILITY AND REACTIVITY

Stability Stable at normal temperatures and storage conditions.
Avoid contact with strong oxidizing agents.
Reactivity: Does not react with any common substance.

SECTION XI: TOXICOLOGICAL

Not applicable

SECTION XII: ECOLOGICAL

Not applicable

SECTION XIII: DISPOSAL

Preferred options for disposal:

- (1) Recycling
- (2) Incineration
- (3) landfill

Disposal must be in accordance with applicable federal, state/ provincial and local regulations.

SECTION XIV: TRANSPORT INFORMATION

This product is not regulated as hazardous.

SECTION XV: REGULATORY INFORMATION

California Proposition 65 Status

This product may contain trace levels of a component or components known to the state of California to cause birth defects or reproductive harm.

- Toluene (108-88-3)
- Mercury (7439-97-6)

This product may contain trace levels of a component known to the state of California to cause cancer:

- Ethyl Acrylate (140-88-5)
- Arsenic (7440-38-2)
- Cadmium (7440-43-9)
- Nickel (7440-02-0)
- Lead (7439-92-1)
- Aniline (62-53-3)
- Formaldehyde (50-00-0)

Massachusetts Right to Know

The following chemicals may be present at or above the required reporting level of 0.0001%.

- Ethyl Acrylate (140-88-5)
- Vinyl Acetate (108-05-4)
- Arsenic (7440-38-2)
- Chromium (7440-47-3)
- Nickel (7440-02-0)
- Formaldehyde (50-00-0)
- Methyl Methacrylate (80-62-6)

Pennsylvania Right to Know

The following chemicals may be present at or above reportable levels:

- Formaldehyde (50-00-0)
- Chromium (3+) (7440-47-3)
- Aluminum (7429-90-5)

This information is based upon technical information believed to be reliable. However, no warranty, expressed or implied, is given.

CPS Resources, Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

One or more of the ingredients contained herein may be a trade secret and not in the public domain. Pursuant to OSHA standards, specific chemical identity will be made available to health professionals in accordance with such OSHA guidelines relevant to the medical emergency.