

GERBER SCIENTIFIC PRODUCTS

TITLE: Gerber Process Pro™ Cyan Thermal Transfer Foil MSDS

Category: MSDS/Materials

Supplied by: Technical Communications

Last Modified: 3/22/04

Summary: Material Safety Data Sheet for Gerber Process Pro Cyan Thermal Transfer Foil

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1. Article and Corporate Identification

1.1 Identification of Product: Gerber Process Pro Cyan Thermal Transfer Foil

Synonyms: Coated Polyester Film

Chemical Family: Not Applicable

1.2 Company undertaking identification:

Company name: Gerber Scientific Products Inc.
 83 Gerber Road
 South Windsor, CT 06074 USA

Phone: 860-644-1551

Fax: 860-648-8360

Contact person: G. Soltoff / Materials Manager


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Composition/Data on Components

May contain the following components requiring reporting by OSHA:

COMPONENT	CAS REG. NO.	OSHA PEL TWA	CEILING	ACGIH TWA	STEL
Barium Sulfate	7727-43-7	5 mg/m ³	None	10 mg/m ³	None
Calcium Carbonate	1317-65-3	10 mg/m ³	None	5 mg/m ³	None
Silica amorphous	112926-00-8	6 mg/m ³	None	10 mg/m ³	None

All other components are considered to be non-hazardous or are present in levels below the reportable requirements under the criteria of the Federal OSHA Hazard Communication Act 29 CFR 1910.1200

3. Hazards Identification**3.1 Emergency Overview:**

Appearance and Odor:	Spooled plastic film of various colors. Characteristic odor.
Statement of Hazard:	Dust produced in sawing, sanding, excessive handling may be irritating.

3.2 Potential Health Effects

Effects of Overexposure:	
Inhalation:	Material as shipped poses no health problems. Processing that could release dust such as sawing, sanding, excessive handling etc. could result in mild respiratory irritation.
Eye Exposure:	Dust may temporarily irritate eyes.
Skin Exposure:	No effect known.
Ingestion:	Unlikely route of exposure. Ingestion of small amounts has no known effect.
Chronic (Delayed) Effects	None known
Signs and Symptoms of Overexposure (by dust)	Eye or respiratory tract itching, scratching or dryness.
Carcinogenicity Determinations	No components of this product that are listed by OSHA, National Toxicology Program or IARC Monographs as carcinogens are present above 0.1%.


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4. First Aid Measures**4.1 Eyes:**

Flush eyes with water while holding eyelids open. Consult physician if irritation persists.

4.2 Inhalation:

Remove exposed person to fresh air.

4.3 Skin:

Wash exposed skin areas with soap and water.

4.4 Ingestion:

Not an expected route of exposure.

5. Fire Fighting Information/Guidelines**5.1 Flammable Properties**

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, carbon dioxide, small quantities of nitric oxides (No _x), trace levels of hydrogen chloride and acetic acid.

5.2 Extinguishing Media:

Class A or B extinguishant, eg. dry chemical, foam, carbon dioxide or water. Wear respirator (pressure demand, self contained breathing apparatus, MSHA/NIOSH approved) and full protective gear for working fires.

6. Accidental Release Measures**6.1 Personal Protection:**

See Section 8 below.

6.2 Clean Up:

Vacuum dust that may be generated by processing and dispose of according to applicable federal, state and local environmental regulations.

7. Handling And Storage**7.1 Handling:**

Observe the general instructions on industrial work hygiene.


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2 Storage:

To maintain quality of material, store in a cool dry atmosphere, 60° -- 80° F, 40% relative humidity. Avoid heat from direct sunlight and extremes of humidity. No special safety precautions are necessary for storage.

8. Protection from Overexposure**8.1 Ventilation and Containment:**

Provide local exhaust ventilation that captures dust during sawing or sanding operations.

8.2 Respiratory Protection:

If ventilation/containment measures do not reliably protect against inhalation overexposure, wear MSHA/NIOSH approved respirator suitable for protection from the dust concentrations encountered.

8.3 Eye Protection:

If dusty conditions are anticipated wear goggles. (ANSI Z87.1-1990)

8.4 Skin Protection:

Wear work gloves when handling.

8.5 Other Protective Measures:

Source of running water for cleaning skin and eyes should be available.

8.6 Personal Hygiene:

Wash hands and face with soap and water after handling and especially before eating or smoking.

9. Physical & Chemical Data

Appearance:	Coated Polyester Film, Various Colors
Odor:	Characteristic
Water Solubility:	Negligible
Vapor Density:	Not Applicable
Specific Gravity:	Not Applicable
Percent Volatile:	1.5% Maximum

10. Stability and Reactivity**10.1 Stability:**

Stable under normal storage conditions.

10.2 Reactivity:

Does not react with any common substance.

11. Toxicology Information

Intentionally Omitted - Not Applicable


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2. Ecological Information

Intentionally Omitted - Not Applicable

13. Disposal

For disposal, incinerate or landfill this material according to local, state and federal regulations.

14. Transport Information

This material is not classified by DOT as hazardous.

15. Regulatory Information**15.1 Work Place Classifications:**

Certain components of this material are classified as hazardous under the OSHA Hazard Communication Standard 29 CFR 1910.1200. (See Section 2.)

SARA Title 3 Section 313 (40 CFR 372)	This product contains no chemicals which are listed in Section 313 above <u>de minimis</u> concentration.																		
TSCA	All components of the product are listed or are excluded from listing on the US Toxic Substances Control Act Inventory																		
California Proposition 65	This product may contain trace levels of a component or components known to the state of California to cause birth defects or other reproductive harm:																		
	<table> <tr> <td>Toluene</td> <td>(108-88-3)</td> </tr> <tr> <td>Mercury</td> <td>(7439-97-6)</td> </tr> </table>	Toluene	(108-88-3)	Mercury	(7439-97-6)														
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Massachusetts Right To Know	<p>The following chemicals may be present at or above the required reporting level of 0.0001%.</p> <table border="0"> <tr><td>Aniline</td><td>(62-53-3)</td></tr> <tr><td>Antimony (3+)Trioxide</td><td>(1309-64-4)</td></tr> <tr><td>Arsenic</td><td>(7440-38-2)</td></tr> <tr><td>Cadmium</td><td>(7440-43-9)</td></tr> <tr><td>Chromium (3+)</td><td>(7440-47-3)</td></tr> <tr><td>3,3'-Dichlorobenzidine</td><td>(91-94-1)</td></tr> <tr><td>Ethyl Acrylate</td><td>(140-88-5)</td></tr> <tr><td>Lead</td><td>(7439-92-1)</td></tr> <tr><td>Nickel</td><td>(7440-02-0)</td></tr> <tr><td>Vinyl Acetate</td><td>(108-05-4)</td></tr> </table>	Aniline	(62-53-3)	Antimony (3+)Trioxide	(1309-64-4)	Arsenic	(7440-38-2)	Cadmium	(7440-43-9)	Chromium (3+)	(7440-47-3)	3,3'-Dichlorobenzidine	(91-94-1)	Ethyl Acrylate	(140-88-5)	Lead	(7439-92-1)	Nickel	(7440-02-0)	Vinyl Acetate	(108-05-4)
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16. Other Information**16.1 Revision Summary:**

MSDS has been revised to comply with ANSI Z400.1-1993.

16.2 Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
TSCA	Toxic Substance Control Act
RCRA	Resource Conservation and Recovery Act

The information provided herein is given according to our best knowledge and experience as of the date of this document, but NO REPRESENTATION, GUARANTEE OR WARRANTY, EXPRESS OR IMPLIED IS MADE AS TO THE ACCURACY, RELIABILITY OR COMPLETENESS OF THE INFORMATION OR TO ANY SPECIAL QUALITY OR FITNESS OF THE PRODUCTS FOR A SPECIAL APPLICATION. This information does not release our customer from his own liability for care examination of any fitness of the products for his special application. This especially applies to any further production steps following subsequent to the foil application, which may have considerable influence on the result of the foil application, but which are completely out of the control of Gerber Scientific Products.