

# GERBER 230 SERIES HIGH PERFORMANCE FILM – ALL COLORS



## Material Safety Data Sheet

**PLEASE NOTE:** This Material Safety Data Sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

### SECTION 1: PRODUCT NAME AND COMPANY INFORMATION

**Product Name:** GERBER 230 SERIES HIGH PERFORMANCE FILM – ALL COLORS  
**Product Number:** See Attachment 1 for part numbers and colors covered by this MSDS  
**Issue Date:** 06/05/2012  
**Supersedes Date:**  
**Manufactured By:** 3M  
St. Paul, MN 55144  
**Distributed By:** Gerber Scientific International, Inc.  
24 Industrial Park Road  
Tolland, CT 06084

Telephone: (651) 737-6501

Telephone: (860) 871-8082

**24-Hour Emergency Contact Number (North America):** 800-255-3924

**24-Hour Emergency Contact Number (International):** 813-248-0585

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
Adhesive Coated Pigmented Polyvinyl Chloride Film with Liner	None	100

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Film

**Odor, Color, Grade:** Adhesive coated film, pigmented, vinyl odor.

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** The environmental properties of this product present a low environmental hazard. This product, when used under reasonable conditions and in accordance with the manufacturer's directions for use, should not present a health hazard. However, use or processing of the product in a manner in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

#### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

No health effects are expected.

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**Skin Contact:**

No health effects are expected.

**Inhalation:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

## 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

This substance does not leach metals or other RCRA (Resource Conservation and Recovery Act) listed TCLP (Toxic Characteristic Leaching Procedure) hazardous substances at concentrations that would make the product a hazardous waste

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** No need for first aid is anticipated.

**Skin Contact:** No need for first aid is anticipated.

**Inhalation:** No need for first aid is anticipated.

**If Swallowed:** No need for first aid is anticipated.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

**Autoignition temperature:** *Not Applicable*

**Flash Point:** *Not Applicable*

**Flammable Limits (LEL):** *Not Applicable*

**Flammable Limits (UEL):** *Not Applicable*

### 5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated.

**Note:** See **STABILITY AND REACTIVITY (SECTION 10)** for hazardous combustion and thermal decomposition information.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Not applicable.

### 6.2 Environmental precautions

Not applicable.

### Clean-up methods

Not applicable.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Avoid breathing of dust created by cutting, sanding, grinding, or machining. This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

### 7.2 STORAGE

Not applicable.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Provide appropriate local exhaust for cutting, grinding, sanding, or machining.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Not applicable.

#### 8.2.2 Skin Protection

Not applicable. Gloves not normally required.

#### 8.2.3. Respiratory Protection

Avoid breathing of dust created by cutting, sanding, grinding, or machining.

#### 8.2.4. Prevention of Swallowing

Not applicable.

### 8.3 EXPOSURE GUIDELINES

None Established

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Specific Physical Form:**

Film

**Odor, Color, Grade:**

Adhesive coated film, pigmented, vinyl odor.

**General Physical Form:**

Solid

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<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>
<b>Flammable Limits (LEL)</b>	<i>Not Applicable</i>
<b>Flammable Limits (UEL)</b>	<i>Not Applicable</i>
<b>Boiling Point</b>	<i>Not Applicable</i>
<b>Density</b>	<i>Not Applicable</i>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Specific Gravity</b>	<i>Not Applicable</i>
<b>pH</b>	<i>Not Applicable</i>
<b>Melting Point</b>	<i>Not Applicable</i>
<b>Solubility in Water</b>	Nil
<b>Evaporation rate</b>	<i>Not Applicable</i>
<b>Kow – Oct/Water partition coef</b>	<i>No Data Available</i>
<b>Percent volatile</b>	<i>Not Applicable</i>
<b>Viscosity</b>	<i>Not Applicable</i>

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

#### **Materials and Conditions to Avoid:**

##### **10.1 Conditions to Avoid**

None known

##### **10.2 Materials to Avoid**

None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

#### **Hazardous Decomposition or By-Products**

<u><b>Substance</b></u>	<u><b>Condition</b></u>
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Hydrogen Chloride	During Combustion

**Hazardous Decomposition:** Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition may occur as a result of oxidation, heating, or reaction with another material.

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## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the manufacturer as listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not determined

### CHEMICAL FATE INFORMATION

Not determined

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Reclaim if feasible. If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator.

**Since regulations vary, consult applicable regulations or authorities before disposal.**

## SECTION 14: TRANSPORT INFORMATION

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact 3M for more information.

### 311/312 HazardCategories:

Fire Hazard – No    Pressure Hazard – No    Reactivity Hazard – No    Immediate Hazard – No  
Delayed Hazard - No

### STATE REGULATIONS

Contact 3M for more information.

### CHEMICAL INVENTORIES

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

Contact 3M for more information.

### INTERNATIONAL REGULATIONS

Contact 3M for more information.

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## SECTION 16: OTHER INFORMATION

### NFPA Hazard Classification

Health: 0

Flammability: 1

Reactivity: 0

Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### ABBREVIATIONS:

ACGIH	–	American Conference of Governmental Industrial Hygienists
OSHA	–	Occupational Safety and Health Administration
TLV	–	Threshold 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 contained herein relates only to the specific material identified. Gerber Scientific, Inc. believes that such information is accurate and reliable as of the date of this Material Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Gerber Scientific, Inc., urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

*Please see the next page for the list of products covered by this MSDS.*

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## ATTACHMENT 1: COVERED PRODUCTS AND PART NUMBERS

COLOR	COLOR CODE	PART NUMBER(S)
WHITE	230-20	P20921C P20922C P21948C P20992C
IVORY	230-005	P21028C P21029C P22299C P22300C
LIGHT BEIGE	230-149	P37721A P37707A P37693A P37679A
SILVER	230-121	P43249A P43250A P43257A P43258A
SILVER GRAY	230-51	P37714A P37700A P37686A P37672A
SHADOW GRAY	230-71	P37719A P37705A P37691A P37677A
SLATE GRAY	230-61	P37716A P37702A P37688A P37674A
BLACK	230-22	P37708A P37694A P37680A P37666A
RUST BROWN	230-63	P20911C P20912C P21943C P20987C
DARK BROWN	230-59	P20919C P20920C P21947C P20991C
DURANODIC	230-69	P20913C P20914C P21944C P20988C
BURGUNDY	230-49	P21026C P21027C P22297C P22298C
RASPBERRY	230-133	P37710A P37696A P37682A P37668A
MULBERRY	230-118	P51447A P51461A P51475A P51489A
VIVD ROSE	230-78	P37713A P37699A P37685A P37671A
PINK LAVENDER	230-108	P51444A P51458A P51472A P51486A
CARDINAL RED	230-53	P30810A P30811A P30822A P30823A
DARK RED	230-73	P20917C P20918C P21946C P20990C
SCARLET RED	230-83	P51441A P51455A P51469A P51483A
RED	230-33	P20909C P20910C P21942C P20986C
LIGHT TOMATO RED	230-43	P30808A P30809A P30820A P30821A
POPPY RED	230-143	P37711A P37697A P37683A P37669A
ORANGE	230-44	P20907C P20908C P21941C P20985C
TANGERINE	230-84	P37717A P37703A P37689A P37675A
KUMQUAT	230-74	P37718A P37704A P37690A P37676A
GOLD NUGGET	230-141	P51451A P51465A P51479A P51493A
METALLIC GOLD	230-131	P37712A P37698A P37684A P37670A
SUNFLOWER	230-25	P30806A P30807A P30818A P30819A
MANGO	230-125	P51448A P51462A P51476A P51490A
YELLOW	230-015	P20905C P20906C P21940C P20984C
LEMON YELLOW	230-115	P51445A P51459A P51473A P51487A
EMERALD GREEN	230-126	P51449A P51463A P51477A P51491A
HOLLY GREEN	230-76	P30814A P30815A P30826A P30827A
GREEN	230-26	P20903C P20904C P21939C P20983C
BRIGHT JADE GREEN	230-116	P51446A P51460A P51474A P51488A
VIVID GREEN	230-156	P37715A P37701A P37687A P37673A
KELLY GREEN	230-46	P51452A P51466A P51480A P51494A
APPLE GREEN	230-106	P51443A P51457A P51471A P51485A
TEAL	230-246	P43253A P43254A P43261A P43262A
TURQUOISE	230-236	P43251A P43252A P43259A P43260A
DARK BLUE	230-36	P21030C P21031C P22301C P22302C
ROYAL BLUE	230-87	P20915C P20916C P21945C P20989C
COBALT BLUE	230-157	P51454A P51468A P51482A P51496A
DELFT BLUE	230-97	P51442A P51456A P51470A P51484A
BLUE	230-167	P31344A P31345A P31346A P31347A
INTENSE BLUE	230-127	P37709A P37695A P37681A P37667A
PROCESS BLUE	230-337	P49908A P49909A P49910A P49911A
DEEP SKY BLUE	230-147	P51453A P51467A P51481A P51495A
OLYMPIC BLUE	230-57	P30812A P30813A P30824A P30825A
PLUM PURPLE	230-128	P51450A P51464A P51478A P51492A