



## Material Safety Data Sheet

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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 AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M Brand 1860 Teal Medical Respirator

**MANUFACTURER:** 3M

**DIVISION:** Occupational Health & Environ. Safety

**ADDRESS:** 3M Center  
St. Paul, MN 55144-1000

**EMERGENCY PHONE:** 1-800-364-3577 or (651) 737-6501 (24 hours)

**Issue Date:** 09/30/10

**Supersedes Date:** 04/12/10

**Document Group:** 07-3087-9

**Product Use:**

Intended Use: Respiratory Protection

### SECTION 2: INGREDIENTS

| <u>Ingredient</u>                        | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|------------------------------------------|-------------------|----------------|
| Polyester                                | 25038-59-9        | 30 - 40        |
| POLYPROPYLENE                            | 9003-07-0         | 30 - 33        |
| Polyisoprene rubber                      | Unknown           | 18 - 20        |
| Aluminum strip                           | Unknown           | 9 - 11         |
| Steel                                    | Unknown           | 2 - 5          |
| Polyester/polyurethane foam              | Unknown           | 1 - 2          |
| Isooctyl Acrylate/Acrylic Acid Copolymer | Unknown           | < 1            |
| Ethylene/Acrylic Acid Copolymer          | Unknown           | < 1            |

### SECTION 3: HAZARDS IDENTIFICATION

### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Non-Woven Material

**Odor, Color, Grade:** Turquoise outer shell, white inner shell, no odor

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:**

This product, when used under reasonable conditions and in accordance with the 3M directions for use, should not present a health hazard. However, use or processing of the product in a manner not 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.

**Skin Contact:**

No health effects are expected.

**Inhalation:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

Not determined. Dispose of used product by the same method as recommended for the disposal of the substance the respirator was used for.

## 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  
Flash Point  
Flammable Limits - LEL  
Flammable Limits - UEL

*Not Applicable*  
*Not Applicable*  
*Not Applicable*  
*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:** Not applicable. No unusual fire or explosion hazards are anticipated.

|                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------|
| <b>Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.</b> |
|------------------------------------------------------------------------------------------------------------------------|

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions

Not applicable.

### Environmental procedures

Not applicable.

### Clean-up methods

Not applicable.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

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

Not applicable.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Not applicable.

#### 8.2.2 Skin Protection

Not applicable.

#### 8.2.3 Respiratory Protection

Not applicable.

#### 8.2.4 Prevention of Swallowing

Not an expected route of exposure.

### 8.3 EXPOSURE GUIDELINES

None Established

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Specific Physical Form:        | Non-Woven Material                                |
| Odor, Color, Grade:            | Turquoise outer shell, white inner shell, no odor |
| General Physical Form:         | Solid                                             |
| Autoignition temperature       | <i>Not Applicable</i>                             |
| Flash Point                    | <i>Not Applicable</i>                             |
| Flammable Limits - LEL         | <i>Not Applicable</i>                             |
| Flammable Limits - UEL         | <i>Not Applicable</i>                             |
| Boiling point                  | <i>Not Applicable</i>                             |
| Vapor Density                  | <i>Not Applicable</i>                             |
| Vapor Pressure                 | <i>Not Applicable</i>                             |
| Specific Gravity               | <i>Not Applicable</i>                             |
| pH                             | <i>Not Applicable</i>                             |
| Melting point                  | <i>No Data Available</i>                          |
| Solubility In Water            | <i>Not Applicable</i>                             |
| Evaporation rate               | <i>Not Applicable</i>                             |
| Volatile Organic Compounds     | <i>Not Applicable</i>                             |
| Kow - Oct/Water partition coef | <i>No Data Available</i>                          |
| Percent volatile               | <i>Not Applicable</i>                             |
| VOC Less H2O & Exempt Solvents | <i>Not Applicable</i>                             |
| Viscosity                      | <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>Substance</u>              | <u>Condition</u>  |
|-------------------------------|-------------------|
| Aldehydes                     | During Combustion |
| Hydrocarbons                  | During Combustion |
| Methane                       | During Combustion |
| Carbon monoxide               | During Combustion |
| Carbon dioxide                | During Combustion |
| Ketones                       | During Combustion |
| Toxic Vapor, Gas, Particulate | During Combustion |

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

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address 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 applicable.

### CHEMICAL FATE INFORMATION

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Reclaim if feasible. Dispose of waste product in a sanitary landfill. Dispose of used product by the same method as recommended for the disposal of the substance the respirator was used for. Since regulations vary, consult applicable regulations or authorities before disposal.

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## SECTION 14: TRANSPORT INFORMATION

### ID Number(s):

70-0706-1236-4, 70-0706-1437-8, 70-0715-6453-1, GT-5000-6279-6, XA-0100-0053-8, XA-0100-0054-6, XA-0100-0121-3

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 Hazard Categories:

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.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## 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.

**Reason for Reissue:** The MSDS has been revised because 3M has adopted the 16-section ANSI/ISO format. The potential hazards of the product have not changed. We encourage you to reread the MSDS and review the information.

**Revision Changes:**

Section 14: Transportation legal text was modified.

Section 14: ID Number(s) Template 1 was modified.

Section 6: Environmental procedures heading was added.

Section 6: Personal precautions heading was added.

Section 6: Personal precautions information was added.

Section 6: Methods for cleaning up information was added.

Section 6: Clean-up methods heading was added.

Section 6: Release measures heading was deleted.

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