

Ecuador**Panamá****Suiza****USA****Inglaterra****1700 E C U A T E P I****3 2 8 2 8 3 7 4****Sitio web: www.ecuatepi.com****E – mail: info@ecuatepi.com****Material Safety Data Sheet**

Copyright, 2010, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

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: 6000 Series Fullface Respirator Facepieces
MANUFACTURER: 3M
DIVISION: Occupational Health & Environ. Safety

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

Product Use:
 Intended Use: Respiratory protection

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
Silicone	Unknown	15 - 40
Polycarbonate/Polyester Alloy Resin Blend	Unknown	10 - 30
Polycarbonate lens	Unknown	10 - 30
Thermoplastic Elastomer	Unknown	10 - 30
Zinc coated Steel	Unknown	0.5 - 1.5
Nickel plated Brass	Unknown	0.5 - 1.5
Synthetic Polyisoprene Valve	Unknown	0.1 - 1

SECTION 3: HAZARDS IDENTIFICATION**3.1 EMERGENCY OVERVIEW**

TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS
ECUATEPI S.A.

Ecuador



Panamá



Suiza



USA



Inglaterra



1700 E C U A T E P I

3 2 8 2 8 3 7 4

Sitio web: www.ecuatepi.com

E – mail: info@ecuatepi.com

Odor, Color, Grade: Solid, odorless, gray injection molded respirator facepiece with attached clear injection molded lens/shield.

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. Although no adverse reactions are expected with the use of this product, individuals with sensitivity to natural rubber materials should not use this respirator.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

No health effects are expected.

Skin Contact:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

No health effects are expected.

Inhalation:

No health effects are expected.

Ingestion:

No health effects are expected.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

Not determined.

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: If signs/symptoms develop, get medical attention. 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



TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS

ECUATEPI S.A.

Ecuador



Panamá



Suiza



USA



Inglaterra



1700 E C U A T E P I

3 2 8 2 8 3 7 4

Sitio web: www.ecuatepi.com

E – mail: info@ecuatepi.com

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>
OSHA Flammability Classification:	<i>Not Applicable</i>

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

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.



TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS

ECUATEPI S.A.

Ecuador



Panamá



Suiza



USA



Inglaterra



1700 ECUATEPI

328 28374

Sitio web: www.ecuatepi.com

E – mail: info@ecuatepi.com

8.2.3 Respiratory Protection
Not applicable.

8.2.4 Prevention of Swallowing
Not applicable.

8.3 EXPOSURE GUIDELINES

None Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	Solid, odorless, gray injection molded respirator facepiece with attached clear injection molded lens/shield.
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



TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS

ECUATEPI S.A.

Ecuador



Panamá



Suiza



USA



Inglaterra



1700 ECUATEPI

328 28374

Sitio web: www.ecuatepi.com

E – mail: info@ecuatepi.com

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Aldehydes	Not Specified
Hydrocarbons	Not Specified
Methane	Not Specified
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
Ketones	Not Specified
Toxic Vapor, Gas, Particulate	Not Specified

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 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.

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

70-0707-0904-6, 70-0707-0905-3, 70-0707-0918-6, 70-0707-5825-8, 70-0707-5826-6, 70-0707-5827-4, 70-0707-5985-0, 70-0707-



TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS

ECUATEPI S.A.

Ecuador



Panamá



Suiza



USA



Inglaterra



1700 ECUATEPI

328 28374

Sitio web: www.ecuatepi.com

E – mail: info@ecuatepi.com

5986-8, 70-0707-5987-6

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

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 - Yes 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: 1 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



TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS

ECUATEPI S.A.

Ecuador**Panamá****Suiza****USA****Inglaterra****1700 ECUATEPI****3 2 8 2 8 3 7 4****Sitio web: www.ecuatepi.com****E – mail: info@ecuatepi.com**

be generated in significant quantities.

Revision Changes:

Section 16: NFPA hazard classification heading was modified.
 Section 3: Potential environmental effects heading was modified.
 Copyright was modified.
 Section 5: Fire fighting procedures information was modified.
 Section 15: 311/312 hazard categories heading was modified.
 Section 15: International regulations information was modified.
 Section 15: State regulations information was modified.
 Section 15: US federal regulations information was modified.
 Section 10: Hazardous polymerization heading was modified.
 Section 16: NFPA explanation was modified.
 Section 15: Inventories information was modified.
 Article disclaimer text (following the copyright) was modified.
 Section 12: Ecotoxicological information heading was modified.
 Section 12: Chemical fate information heading was modified.
 Section 9: Property description for optional properties was modified.
 Section 16: NFPA hazard classification for special hazards was modified.
 Section 10: Hazardous decomposition heading was modified.
 Section 12: Ecotoxicological phrase was modified.
 Section 12: Chemical Fate phrase was modified.
 Section 2: Ingredient phrase was added.
 Section 14: ID Number Heading Template 1 was added.
 Section 14: ID Number(s) Template 1 was added.
 Section 2: Ingredient table was added.
 Section 8: Exposure guidelines information - none - was added.
 Section 10.1 Conditions to avoid was added.
 Section 10.2 Materials to avoid was added.
 Section 6: Release measures information was added.
 Section 10: Materials to avoid physical property was added.
 Section 10: Conditions to avoid physical property was added.
 Section 6: Release measures information was deleted.
 Section 10: Materials and conditions to avoid physical property was deleted.

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

**TÉCNICAS ECUATORIANAS DE PROTECCIÓN CONTRA INCENDIOS****ECUATEPI S.A.**

Pág. 7