# ARTWORK INFORMATION

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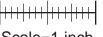
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Division des produits d'hygiène industrielle et de sécurité environnementale de 3M

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# **3M** 6000 Series Half Facepiece Respirator

User Instructions

# Respirateurs à demi-masque de série 6000 Directives d'utilisation

# Respirador Media Máscara Serie 6000 3M

Instrucciones de uso

# Respirador semifacial 3M série 6000

Instruções de uso



# Important:

Read and understand all safety information before using.

# Important:

Lire et comprendre tous les renseignements relatifs à la sécurité avant d'utiliser le respirateur.

### **Importante:**

Lea y comprenda toda la información sobre seguridad antes de usar un respirador.

# Importante:

Leia e compreenda todas as informações de segurança antes de operar.

# TABLE OF CONTENTS

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For ordering information and location of 3M authorized distributor in your area, call 1-800-328-1667.

For assistance with operation and application of products from 3M Occupational Health and Environmental Safety Division (OH&ESD), please call your 3M representative at 1-800-896-4223 or call 3M Technical Service at 1-800-243-4630. In Canada, call 3M OH&ESD at 1-800-265-1840, extension 6137 or 1-519-452-6137.

# SAVE THIS USER INSTRUCTIONS AND KEEP IT WITH THE RESPIRATOR.

# **GENERAL SAFETY INFORMATION**

# **Intended Use:**

The  $3M^{\text{TM}}$  6000 Series Half Facepiece Respirators are designed to help provide respiratory protection against certain airborne contaminants when used in accordance with all use and limitation instructions and applicable safety and health regulations.



# **A** WARNING

This respirator helps protect against certain airborne contaminants. Misuse may result in sickness or death. For proper use, see your supervisor, product packaging or call 3M at 1-800-243-4630. In Canada, call 1 (519) 452-6137 or 1-800-265-1840, ext. 6137.

# **A** CAUTION

Failure to properly dispose of spent cartridges, filters, or respirators contaminated by hazardous materials can result in environmental harm. Handling, transportation and disposal of spent cartridges, filters, or respirators must comply with all applicable federal, state, and local laws and regulations.

# **USE INSTRUCTIONS & LIMITATIONS**



# **A** WARNING

This respirator helps protect against certain airborne contaminants. Misuse may result in sickness or death. For proper use, see your supervisor, product packaging or call 3M at 1-800-243-4630. In Canada, call 1 (519) 452-6137 or 1-800-265-1840, ext. 6137.

**Important:** Before use the wearer must read and understand these User Instructions. Keep insert for reference.

### Use For:

Respiratory protection from certain airborne contaminants according to NIOSH approvals, OSHA limitations, in Canada CSA standard Z94.4-93 requirements, other applicable regulations and 3M instructions.

# Do Not Use For:

Concentrations of contaminants which are immediately dangerous to life and health, are unknown or when concentrations exceed 10 times the permissible exposure limit (PEL), when used in airpurifying mode, or according to specific OSHA standards or applicable government regulations, whichever is lower.

# **Use Instructions:**

Failure to follow all instructions and limitations on the use of this respirator and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and may result in sickness or death.

Before occupational use of this respirator a written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 such as training and fit testing and applicable OSHA substance specific standards. In Canada, CSA standard Z94.4-93 requirements must be met.

The airborne contaminants which can be dangerous to your health include those that are so small you cannot see them.

Leave contaminated area immediately and contact supervisor if you smell or taste contaminants or if dizziness, irritation, or other distress occurs

Store respirator away from contaminated areas when not in use.

Dispose of used product in accordance with applicable regulations.

### **Use Limitations:**

This respirator does not supply oxygen when used in air-purifying mode. Do not use in atmospheres containing less than 19.5% oxygen.

Do not use when concentrations of contaminants are immediately dangerous to life and health, are unknown or when concentrations exceed 10 times the permissible exposure limit (PEL) when used in airpurifying mode, or according to specific OSHA standards or applicable government regulations, whichever is lower.

Do not alter, abuse or misuse this respirator.

Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the faceseal of the respirator.

# **Time Use Limitations:**

If respirator becomes damaged, leave contaminated area and dispose of respirator.

Replace filters in accordance with the filter Time Use Limitation. (See filter *User Instructions*.)

Replace cartridges in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.

# **NIOSH Cautions and Limitations:**

- A- Not for use in atmospheres containing less than 19.5 percent oxygen when used in air-purifying mode.
- B- Not for use in atmospheres immediately dangerous to life or health.
- C- Do not exceed maximum use concentrations established by regulatory standards.
- D- Air-line respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
- E— Use only the pressure ranges and hose lengths specified in the table.
- G- If airflow is cut off, switch to filter and/or cartridge and immediately exit to clean air.
- H– Do not wear for protection against organic vapors with poor warning properties or those which generate high heats of reaction with sorbent.
- I- Contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres by MSHA/NIOSH.

- J– Failure to properly use and maintain this product could result in injury or death.
- L— Follow the manufacturer's instructions for changing cartridges and/or filters.
- M– All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
- N- Never substitute, modify, add or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O– Refer to users instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- P- NIOSH does not evaluate respirators for use as surgical masks.
- Special or critical users instructions and/or specific use limitations apply. Refer to instruction manual before donning.

# **Special Use Instructions:**

 $3M^{TM}$  Mercury Vapor Cartridges (6009 and 60929) are equipped with passive  $3M^{TM}$  End of Service Life Indicators (ESLI). The color change indicator must be readily visible when wearing the respirator without manipulation. If you cannot readily see the ESLI, do not use.

Mercury vapor cartridges must be discarded when the ESLI changes color; or within 30 days of opening packaging; or when ESLI becomes dirty or damaged; or when odors of vapors or gases become noticeable, whichever occurs first. Mercury vapor has no odor.

# LIST OF PRODUCTS

# $3M^{\text{TM}}$ 6000 Series Reusable Dual Cartridge Respirator







# 3M<sup>TM</sup> Facepieces

# Half Facepiece assemblies

(minus cartridges, filters, retainers, and prefilters)

6100 small

6200 medium

6300 large

# Half Facepiece assemblies

(with probe for quantitative fit testing, includes 2091 P100 filters)

6100Q small

6200Q medium

6300Q large

# 3M<sup>TM</sup> Accessories and Parts

200 Voice Projection System - includes 201 microphone adapter

201 Microphone adapter

501 Filter retainer for 5N11 and 5P71 filters

502 Filter adapter for 2000 Series and 7093 filters

504 Respirator cleaning wipes

601 Quantitative fit test adapter

6889 Exhalation valves

6893 Inhalation valves

6895 Inhalation gaskets

# 3M<sup>TM</sup> Cartridges

Number	Product Name	NIOSH Approval (for respiratory protection against the following contaminants up to ten times the permissible exposure limit)
6001	Organic Vapor	Certain organic vapors
6002	Acid Gas	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only).
6003	Organic Vapor/ Acid Gas	Certain organic vapors, chlorine,hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride
6004	Ammonia/ Methylamine	Ammonia and methylamine
6005	*Formaldehyde/ Organic vapor	Formaldehyde and certain organic vapors
6006	*Multi-Gas/Vapor	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, formaldehyde or hydrogen fluoride
6009	Mercury Vapor/ Chlorine Gas	Mercury vapor or chlorine gas
60921	Organic Vapor/P100	Certain organic vapors and particulates
60922	Acid Gas/P100	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only) and particulates
60923	Organic Vapor/ Acid Gas/P100	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride and particulates
60924	Ammonia/ Methylamine/P100	Ammonia and methylamine and particulates
60925	*Formaldehyde/ Organic vapor/P100	Formaldehyde and certain organic vapors and particulates
60926	*Multi-Gas/ Vapor/P100	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, formaldehyde or hydrogen fluoride and particulates
60929	Mercury Vapor/ Chlorine Gas/P100	Mercury vapor or chlorine gas and particulates

<sup>\*</sup>OSHA regulations require gas proof goggles be worn with half facepiece respirators when used against formaldehyde.

# Service Life for 3M<sup>TM</sup> 6000 Series Cartridges

6000 Series Chemical Cartridges should be used before the expiration date on cartridge packaging. The useful service life of these cartridges will depend upon activity of wearer (breathing rate), specific type, volatility and concentration of contaminants and environmental conditions such as humidity, pressure, and temperature. Cartridges must be replaced in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.

# **Special Use Instructions**

3M Mercury Vapor Cartridges (6009 and 60929) are equipped with passive End of Service Life Indicators (ESLI). The color change indicator must be readily visible when wearing the respirator without manipulation. If you cannot readily see the ESLI, do not use respirator and do not enter contaminated area. See your supervisor. Mercury vapor cartridges must be discarded when the ESLI changes color; or within 30 days of opening packaging; or when ESLI becomes dirty or damaged; or when odors of vapors or gases become noticeable, whichever occurs first. Mercury vapor has no odor.

# 3M<sup>TM</sup> Filters

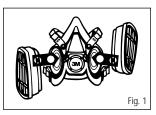
2071	P95 Particulate filter
2076HF	P95 Particulate/hydrogen fluoride cartridge
	with nuisance level acid gas relief*
2078	P95 Particulate filter with nuisance level
	acid gas and organic vapor relief*
2091	P100 Particulate filter
2096	P100 Particulate filter with nuisance level
	acid gas relief*
2097	P100 Particulate filter with nuisance level
	organic vapor relief*
5N11	N95 Particulate filter
5P71	P95 Particulate filter
7093	P100 Particulate filter

<sup>\*3</sup>M recommended for relief against nuisance levels of acid gas or organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable exposure limits, whichever is lower.

# **ASSEMBLY INSTRUCTIONS**

# **Cartridge Assembly Instructions**

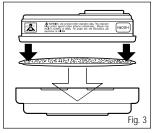
- Align cartridge notch with facepiece mark, as shown, and push together. (Figure 1)
- 2. Turn cartridge clockwise to stop (1/4 turn). (Figure 2)





# Prefilter Assembly Instructions (for $3M^{\mbox{\tiny TM}}$ 5N11 and 5P71 Filters)

- Place filter into 3M<sup>TM</sup> 501
   Retainer so printed side of
   filter faces the cartridge.
   (Figure 3)
- Press cartridge into filter retainer. It should snap securely into filter retainer. When correctly installed, filter should completely cover face of cartridge.



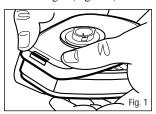
3. To replace filter, remove retainer by lifting on TAB.

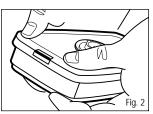
# To Attach the $3M^{\rm TM}$ 2000 Series Filters to the $3M^{\rm TM}$ 6000 Series Facepiece

Align opening of filter with filter attachment on facepiece. Turn filter clockwise until it is firmly seated and cannot be further turned. Repeat for second filter.

# $3M^{\text{TM}}$ 502 Adapter Assembly Instructions

 Align adapter over cartridge. Engage front snap by squeezing front of cartridge and adapter together, placing thumbs of both hands over top of adapter and fingers along bottom sides of cartridge. (Figure 1)





 Engage back snap by squeezing back side of cartridge and adapter together using the same hand positions. An audible click should be heard as each snap is engaged. The 3M 502 adapter should not be removed or reused once engaged as it is not designed for reuse and leakage may occur. (Figure 2)

# To Attach 3MTM 2000 Series Filters to 3MTM 502 Adapter

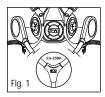
Place filter onto the filter holder so that filter comes into even contact with gasket. Twist clockwise a quarter turn until it is firmly seated and filter cannot be turned further. Repeat for second filter.

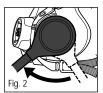
# Note:

The 3M 502 adapter once installed on a  $3M^{\rm TM}$  6000 Series Cartridge is not to be removed and reused as leakage may occur.

# Assembly of 3M<sup>TM</sup> Dual Airline

- Hold the half facepiece in front of you so that the 3M logo on half facepiece is facing you. Align the two branches of the breathing tube over the two bayonet mounts on half facepiece. For the 3M<sup>TM</sup> SA-1500 or SA-1600 Breathing Tubes, make sure that 3M logo on breathing tube and on half facepiece are both facing towards you. For 3M<sup>TM</sup> SA-2500 or SA-2600 breathing tubes, make sure that the 3M logo on breathing tube is facing in opposite direction to 3M logo on half facepieces. (Figure 1) 3M SA-1500 shown
- Twist each branch of breathing tube clockwise a quarter turn until it is firmly seated in the bayonet and cannot be turned further. Do not forcibly overturn as the bayonet could be damaged. (Figures 2 and 3) 3M SA-1500/SA-1600 breathing tube shown.



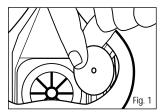


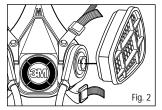


# Assembly of $3M^{\rm TM}$ Combination Dual Airline Respirator with Cartridges and Filters

The 3M<sup>TM</sup> SA-1600 (front-mounted) and SA-2600 (back-mounted) versions of the 3M dual airline breathing tubes allow use of selected, NIOSH-approved 3M<sup>TM</sup> 6000 Series Cartridges and 2000 Series Filters. For listing of approved cartridges and filters, reference NIOSH approval label included with 3M dual airline breathing tubes. To assemble 3M dual airline breathing tubes with cartridges and/or filters, do the following:

1. Remove the inhalation valves from facepiece and store them so they remain flat. (Figure 1)





- Attach 3M SA-1600 or SA-2600 breathing tubes to facepiece per the procedures outlined previously in this manual. The process is identical to attachment of 3M SA-1500 and SA-2500 models.
- Make a selection of cartridge and/or filter that meets your respiratory protection requirements, and attach to outer bayonets of 3M SA-1600 or SA-2600 dual airline breathing tubes. (Figure 2)
- 4. Don facepiece per procedures outlined in fitting instructions.

- After being properly fit tested, perform a positive and negative user seal check per procedures outlined in seal check instructions. If a proper fit cannot be obtained, see your supervisor. Do not enter contaminated area.
- Attach an airline to the 3M<sup>TM</sup> SA-1009 Air Regulator or SA-1029 Low Pressure Connector and adjust air pressure to the specified setting for length of air supply hose employed.

# **A** WARNING

If the facepiece is to be used in air purifying mode (without using the 3M SA-1600 or SA-2600 breathing tubes), the inhalation valves must be replaced in the facepiece before use.

# Using the $3M^{\rm TM}$ Combination Dual Airline Breathing Tubes without Cartridges and Filters

To use the 3M combination dual airline breathing tubes (SA-1600 and SA-2600) without cartridges or filters, attach a  $3M^{\rm TM}$  6880 Bayonet Cap to each outer bayonet mount on the dual airline breathing tube. When used as a straight, Type C, continuous flow supplied air respirator, the Assigned Protection Factor is 50 times the PEL or TLV guidelines for half facepiece respirators.

# FITTING INSTRUCTIONS

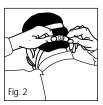
Must be followed each time respirator is worn

# **Donning Respirator**

- Place respirator over your mouth and nose, then pull head harness over crown of your head. (Figure 1)
- Take bottom straps in both hands, place them in back of your neck, and hook them together. (Figure 2)
- 3. Position facepiece low on the bridge of your nose for optimal visibility and best fit.
- 4. Adjust top straps first, then lower neck straps by pulling on ends. DO NOT pull too tight! (Strap tension may be decreased by pushing out on back side of buckles.) Perform a positive pressure and/or negative pressure user seal check. The positive pressure method is recommended. (Figure 3)

If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.







# **Quantitative and Qualitative Fit Testing**

The effectiveness of a respirator will be reduced if it is not fitted properly. Therefore, either quantitative or qualitative fit testing must be conducted prior to the respirator being issued.

#### Note:

Fit testing is a U.S. Occupational Safety and Health Administration (OSHA) and Canadian CSA requirement. Quantitative Fit Testing (QNFT) can be conducted using a  $3M^{TM}$  601 Fit Test Adapter and 42 CFR 84 P100 filters such as the  $3M^{TM}$  2091 or 7093 Particulate Filters.

Qualitative Fit Testing (QLFT) with the 3M<sup>™</sup> FT-10 or FT-30 Qualitative Fit Test Apparatus can be conducted using any of the NIOSH approved 42 CFR 84 particulate filters.

# Note:

For further information concerning fit testing contact 3M OH&ESD Technical Service at 1-800-243-4630 or a 3M location in your region as listed in 3M Worldwide Services Locations section later in this manual. In Canada call, 1 (519) 452-6137 or 1-800-265-1840, ext. 6137.

# SEAL CHECK FOR 6000 SERIES CARTRIDGES

Always Check the Seal of the Respirator on Your Face Before Entering a Contaminated Area.

# **Positive Pressure Seal Check**

Place the palm of your hand over the exhalation valve cover and exhale gently. If facepiece bulges slightly and no air leaks are detected between your face and the facepiece, a proper fit has been obtained.

If face seal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.

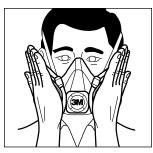


Repeat above steps until a tight face seal is obtained.

# **Negative Pressure Seal Check**

Place palms of hands to cover face of cartridge or open area of 3M<sup>TM</sup> 501 Filter Retainer, when retainer is attached to the cartridge, to restrict air flow.

Inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained.



If face seal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate air leakage. Repeat above steps until a tight face seal is obtained.

If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.

# Note:

Use of 3M 501 filter retainer may aid respirator wearer in conducting a negative pressure seal check.

# **SEAL CHECK FOR 2000 SERIES FILTERS**

Always Check the Seal of the Respirator on Your Face Before Entering a Contaminated Area.

# **Positive Pressure Seal Check**

Place the palm of your hand over the exhalation valve cover and exhale gently. If facepiece bulges slightly and no air leaks are detected between your face and the facepiece, a proper fit has been obtained.

If face seal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.



Repeat above steps until a tight face seal is obtained.

If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.

# **Negative Pressure Seal Check**

Place your thumbs onto the center portion of the filters, restricting airflow into the breathing tube of filters, and inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained.

If face seal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate the leakage.



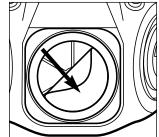
Repeat above steps until a tight face seal is obtained.

If you cannot achieve a proper fit, DO NOT enter contaminated area. See your supervisor.

# INSPECTION PROCEDURE

The  $3M^{TM}$  6000 Series Respirator must be inspected before each use to ensure that it is in good operating condition. The facepiece should be disposed of upon observation of damaged or defective parts. The following inspection procedure is suggested.

- Check facepiece for cracks, tears and dirt. Be certain facepiece, especially face seal area, is not distorted.
- Examine inhalation valves for signs of distortion, cracking or tearing.
- 3. Make sure that head straps are intact and have good elasticity.
- Examine all plastic parts for signs of cracking or fatiguing. Make sure filter gaskets are properly seated and in good condition.
- Remove exhalation valve cover and examine exhalation valve and valve seat for signs of dirt, distortion, cracking or tearing. Replace exhalation valve cover.



# CLEANING AND STORAGE INSTRUCTIONS

# Cleaning is recommended after each use.

- Remove cartridges and/or filters.
- Clean facepiece (excluding filters and cartridges), with 3M<sup>TM</sup> 504 Respirator Wipes or by immersing in warm cleaning solution, water temperature not to exceed 120°F, and scrub with soft brush until clean. Add neutral detergent if necessary. Do not use cleaners containing lanolin or other oils.



- Disinfect facepiece bysoaking in a solution of quaternary ammonia disinfectant or sodium hypochloride (1oz. [30ML] household bleach in 2 gallons [7.5L] of water), or other disinfectant.
- Rinse in fresh, warm water and air dry in noncontaminated atmosphere.
- Respirator components should be inspected prior to each use. A respirator with any damaged or deteriorated components should be discarded.
- 6. The cleaned respirator should be stored away from contaminated areas when not in use.

# LIMITED WARRANTY

3M warrants to the original purchaser that 3M<sup>TM</sup> 6000 Series Half Facepiece Respirators and their components are quality products and will be free of defects in materials and workmanship and in conformance with any express warranty for a specific purpose for the first 90 days after delivery to the original purchaser and 3M's only obligation and your exclusive remedy shall be to repair, replace or refund the purchase price of such parts or products upon timely notification thereof and substantiation that the product has been stored, maintained and used in accordance with 3M's written instructions.

EXCLUSIONS TO WARRANTY: THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY WARRANTY AND CONDITION, EXPRESS OR IMPLIED, STATED OR OTHERWISE, INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER CONDITION OR WARRANTY OF QUALITY, EXCEPTING WARRANTIES OR CONDITIONS OF TITLE AND AGAINST PATENT INFRINGEMENT.

Limitation of Liability: Except as provided above, 3M shall in no event be liable or responsible whether in contract or in tort or any other legal theory for any injury, loss or damage, direct, indirect, special, incidental or consequential, arising out of the use or misuse or inability to use the equipment. 3M warranties and conditions as herein above set forth shall not be enlarged, diminished or affected by, and no obligation or liability shall arise or grow out of, the rendering of technical advice or service by 3M or its agents. The foregoing may not be changed except by written agreement signed by an authorized officer of 3M. THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE.

# 3M WORLDWIDE SERVICES LOCATIONS

#### Sales Information: 1-800-896-4223 Technical Service Information: 1-800-243-4630

#### Alaska

3M Alaska Branch Anchorage Tel: (907) 522-5200

# Argentina

3M Argentina S.A.C.I.F.I.A. Provincia de Buenos Aires Tel: 54-1-469-8200

#### Australia

3M Australia Pty. Ltd. Pymble, N.S.W. Tel: 61-2-9498-9333

#### Austria

3M Oesterreich Ges M.h.H. Vienna Tel: 43-1-866860

### Belgium

3M Belgium N.V./S.A. Diegem Tel: 32-2-722-5111

### Brazil

3M do Brasil Ltda. Sao Paulo Tel: 55-19-864-7000

#### Canada

3M Canada Company London, Ontario Tel: 519-451-2500

# Chile

3M Chile, S.A. Santiago Tel: 56-2-410-3000

#### China

3M China Limited Shanghai Tel: 86-21-6275-3535

### Colombia

3M Colombia S.A. Bogota Tel: 57-1-416-1655

#### Costa Rica

3M Costa Rica, S.A. San Jose Tel: 506-260-3333

# Czech Republic

3M Cesko, Spol. SRO Czech Republic Telephone: 422-255-145

# Denmark

3M A/S Glostrup Tel: 45-43-48-01 00

### **Dominican Republic**

3M Dominicana S.A. Santo Domingo Tel: (809) 530-6560

### Ecuador

3M Ecuador CA Guayaquil Tel: 593-4-800-777

### Egypt

3M Egypt Ltd. Cairo, Egypt Tel: 202-417-6559

### El Salvador

3M El Salvador, S.A. de C.V. San Salvador Tel: (503) 278-3344

### Finland

Suomen 3M OY 02630 Espoo Tel: 358-9-52521

#### France

3M France Cergy Pontoise Cedex Tel: 33-1-30-31-61-61

### Germany

3M Deutschland GmbH Neuss Tel: 49-2131-140

#### Greece

3M Hellas, Ltd. Maroussi, Athens Tel: 30-1-6842902

#### Guam

3M Company Tamuning Tel: 671-6469161

### Guatemala

3M Guatemala, S.A. Guatemala City Tel: 502-5911236

# Gulf

3M Gulf Ltd. Dubai Tel: 971-4-626-160

# Hawaii

3M Hawaii Honolulu Tel: (808) 422-2721

### Honduras

Honduras Branch San Pedro Sula Tel: 504-52-8176

### Hong Kong

3M Hong Kong Limited Hong Kong Tel: 852-2806-6111

# Hungary

3M Hungaria Kft. Budapest Tel: 36-1-267-1680

#### India

Birla 3M Limited Bangalore Tel: 91-80-5588881

### Indonesia

P.T. 3M Indonesia Jakarta Tel: 62-21-5212166

# Ireland

3M Ireland – 3M House Co. Dublin Tel: 353-1-2803555

### Israel

3M Israel Ltd. Herzliya Indl Zone Tel: 972-9-9561490

### Italy

3M Italia SPA Milano Tel: 39-2-70351

#### Jamaica

3M Interamerica, Inc. Kingston Tel: 809/937-3859-65

#### Japan

3M Health Care, Ltd. Setagaya-ku, Tokyo Tel: 81-3-3709-8111

#### Kenya

3M Kenya Ltd. Nairobi Tel: 254-2-560-712

### Korea

3M Korea Ltd. Seoul 150-010 Tel: 82-2-3771-4114

# Malaysia

3M Malaysia Sdn. Berhad Kuala Lumpur Tel: 603-775-7555

# Mexico

3M México, S.A. de C.V. México Tel: 52-5-626-0400

### Morocco

3M Maroc Casablanca, Maroc Tel: 212-2-984965

# Netherlands

3M Nederland B.V. The Netherlands Tel: 31-71-5-450-450

### New Zealand

3M New Zealand Ltd. Auckland Tel: 64-9-444-4760

#### Norway

3M Norge A/S Skjetten Tel: 47-63-84-75-00

#### Pakistan

3M Pakistan (PVT) Limited Karachi Tel: 92-21-5611901

#### Panama

3M Panama S.A. Panama 5 Tel: 507-263-5244

### Peru

3M Peru, S.A. Lima Tel: 51-1-2242728

# Philippines

3M Philippines, Inc. Makati, Metro Manila Tel: 63-2-813-3781 Uruguay

Montevideo

Venezuela

Caracas Tel: 58-2-508-8111

Vietnam

Zimbabwe

Harare Tel: 263-4-486384

3M Vietnam Ltd.

Ho Chi Minh City

Tel: 848-832-366

3M Zimbabwe (Pvt) Ltd.

3M Uruguay S.A.

Tel: 598-2-493-341

3M Manufact. Venezuela S.A.

# Poland

3M Poland SP. ZO.O. Warszawa, Poland Tel: 48-22-6328815

# Portugal

Minn. (3M) de Portugal, Lda. Lisbon Tel: 351-1-313-4500

### Puerto Rico

3M Puerto Rico, Inc. Carolina Tel: (787) 750-3000

# Russia

3M Russia Moscow Tel: 7(095) 288 97 01

# Singapore

3M Singapore Pte. Ltd. Singapore Tel: 65-454-8611

### South Africa

3M South Africa (Pty.) Ltd. Johannesburg Tel: 27-11-922-9111

### Spain

3M Espana, S.A. Madrid

Tel: 34-1-321-60-00

### Sri Lanka 3M Lanka (Private) Limited Pelawatte, Battaramulla

Pelawatte, Battaramulla Tel: 941-867-891-2

### Sweden

3M Svenska AB Sollentuna Tel: 46-8-92-2100

# Switzerland

3M (Schweiz) AG Rueschlikon Tel: 41-1-7249090

### Switzerland

3M (East) AG Rotkreuz Tel: 41-41-799 40 40

#### Taiwan

3M Taiwan Limited Taipei Tel: 886-2-704-9011

# Thailand

3M Thailand Ltd. Bangkok Tel: 662-260-8577

#### Trinidad

3M Interamerica, Inc. Port of Spain Tel: 809/623-8917

### Turkey

3M Sanayii ve Ticaret A.S. Istanbul Tel: 90-212-282-23 82

# **United Kingdom**

3M United Kingdom PLC Bracknell, Berkshire Tel: 44-1-344-858000