

**3M** Science.  
Applied to Life.™

# Safety Products Hardware Catalogue

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Construction & Home Improvement Markets

**3M**





# Equipped for today. Ready for tomorrow.

## **Why safety?**

Know your risks. Put safety on your list. That means choosing the right safety products before the project begins. 3M offers professionals a comprehensive portfolio of respiratory, eye and hearing products designed to help them be prepared, focused and protected on the job.

## **Why 3M?**

As a recognized leader in research and development, 3M sells thousands of innovative products for dozens of diverse markets. Our teams are focused on delivering strategic growth opportunities that exceed our customers' expectations.

This unique blend of innovation and experience, married with product excellence, makes 3M the professionals' trusted choice in personal safety solutions. 3M strives to give professionals confidence — confidence that they are using reliable products from a trusted brand, so they can stay focused on the task at hand, not on their safety products.

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# Disposable Respirators

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3M™ Advanced Electret Filter increases performance without adding material. That means lower breathing resistance while getting the same great coverage.



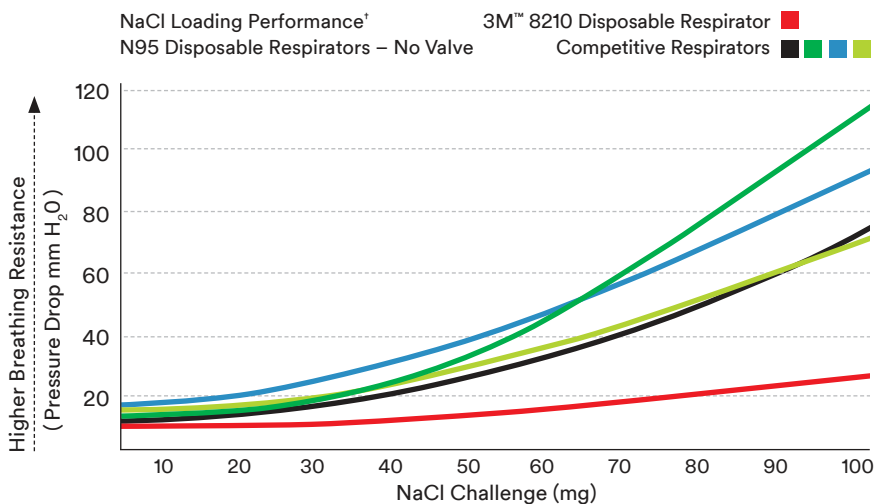
# Breathe easy with Advanced Electrostatic Media

Respirators with unique 3M filter media technology are highly effective and comfortable to wear. Workers value this 3M advantage. In fact, in a 2012 blind study, workers rated 3M™ Respirators as easier to breathe through when compared to others.\*

Our manufacturing process injects a high level of electrostatic charge into microfibres arranged in an open-formation that allows for the greater passage of air through the media. These highly charged microfibres greatly enhance the capture of airborne particles and enable 3M to produce respirators with reduced breathing resistance.

## Experience greater comfort

The chart below demonstrates that 3M's Advanced Electrostatic Media (AEM), tested in the 8210 respirator, continues to have the lowest breathing resistance when compared to several competitive respirators.



†Loading with sodium chloride (NaCl) aerosol meeting NIOSH specifications at 85 L/min to 100 mg. Source: Representative loading performance from internal testing July 2012. The testing performed by 3M is not a part of the testing and certification conducted by NIOSH. Selection of respirator models, testing protocol, data generation and conclusions were reviewed and approved by an expert from the University of Minnesota.

\*Based on research study by Burke, Inc. (2/2012 of 200 Safety Managers that used both 3M brand and other respirators.)

## Meeting the challenge

Highly charged microfibres enhance the capture of airborne particles while allowing you to breathe easier.



Illustration of 10,000x magnified electrostatically charged microfibres.



# 3M™ Disposable Respirator Products

## 3M™ Filtering Facepiece Respirators

### Features of 3M™ Filtering Facepiece Respirators

3M's wide selection of filtering facepiece respirators helps you match the respirator to your environment. Workers in many industries require protection from airborne particles such as dust, fibres, mist, fumes and biological aerosols. Sweeping, sanding, grinding, sawing, bagging, welding – each creates a unique set of conditions, especially given environmental considerations such as heat and humidity.

3M uses a variety of innovative technologies and features to help you meet your protection and comfort needs. They are all NIOSH 42CFR84 approved and include the following features:

- Lightweight and comfortable
- Adjustable noseclips
- Variety of strap and attachment types
- Some available with carbon filter material for nuisance level relief<sup>1</sup>
- Soft inner materials
- Compatible with most eye and hearing protection
- All maintenance-free respirators are constructed with advanced electret media



Disposable Respirators

## Featured Technologies



### 3M™ Cool Flow™ Exhalation Valve

3M Proprietary one-way valve for easy exhalation and cool comfort.



### M-Noseclip

Easily adjustable for fewer pressure points and greater comfort.



### Face Seal

A more comfortable and secure fit with this soft face seal that conforms closely to the face.



### Advanced Electrostatic Media

Proprietary filter media allows greater air flow while capturing contaminants in the electrostatically charged microfibres.



### Carbon Filter Material

Greater comfort, more relief from odours, vapours and other gaseous contaminants. For nuisance level relief only.<sup>1</sup>



### Adjustable Buckle Straps

Get a comfortable, secure seal fast, with a single tug.



### P-series Filter

Get prolonged protection in oily environments, made possible with 3M Proprietary Advanced Electrostatic Media.

<sup>1</sup> 3M recommended for relief against nuisance level acid gas or organic vapours. Nuisance level organic vapour and acid gas refers to concentrations not exceeding applicable government occupational exposure limits.

# 3M™ Disposable Respirator Products



## Valved N95 Respirators

Suggested Applications: Sweeping, sanding, grinding, sawing and bagging in a non-oil environment. Also suggested for pandemic stockpiling/business continuity planning.



### 3M™ Sanding & Fibreglass Valved Respirator 8511 (N95)

- Use for non-harmful dust from sanding, grinding, sawing and insulating particles
- 3M™ Cool Flow™ Valve for heat reduction and easy breathing
- M-noseclip allows for fewer pressure points and greater comfort
- Advanced filter media for easier breathing
- NIOSH approved: N95

CAT ID	SAP ID	UPC	UNITS/PK
8511HA1-C-PS	7100117608	00051141902821	1
8511HA1-2C-PS	7100117526	00051125004831	2
8511HB2-C	7100097134	00051141355696	5
8511HB1-C-PS	7100117615	00051141904733	10
8511HB1-C15	7100078327	00076308726577	15



## Non-valved N95 Respirators

Suggested Applications: Sweeping, sanding, grinding, sawing and bagging in a non-oil environment.



### 3M™ Performance Sanding and Fiberglass Respirator 8210H2-DC (N95)

- Use for non-harmful dust from sanding, grinding, sawing and insulating particles
- Advanced filter media for easy breathing
- NIOSH approved: N95

CAT ID	SAP ID	UPC	UNITS/PK
8210H2-DC	7100159320	0005111112205	2
8210PH20-DC	7100161302	00638060074350	20



### 3M™ Sanding & Fibreglass Respirator 8200H3-DC (N95)

- Use for non-harmful dust from sanding, grinding, sawing and insulating particles
- Proprietary filter technology for easier breathing
- NIOSH approved: N95

CAT ID	SAP ID	UPC	UNITS/PK
8200H3-DC	7100155863	00051141902807	3
8200H10-DC	7100160237	00051141904788	10
8200H20-DC	7100155864	00051141904832	20

# 3M™ Disposable Respirator Products

## Non-valved Specialty Respirators

Suggested Applications: Grinding, bagging, sanding, sweeping in oil and non-oil environments and other dusty operations.



### 3M™ Workshop Odour Respirator 8247H1-DC (R95)

- Use for latex paint odours
- Carbon layer for odour reduction
- Advanced filter media for easy breathing
- Can be used in oil and non-oil containing environments
- NIOSH approved: R95

CAT ID	SAP ID	UPC	UNITS/PK
8247H1-DC	7100160544	00051141904801	1

## Dust masks

Ideal for non-harmful household dust.



### 3M™ Home Dust Mask 8661H5-DC

- Use for relief from non-harmful household dust
- Contour-fit, soft metal nosepiece adjusts closely over the bridge of the nose
- Not NIOSH approved

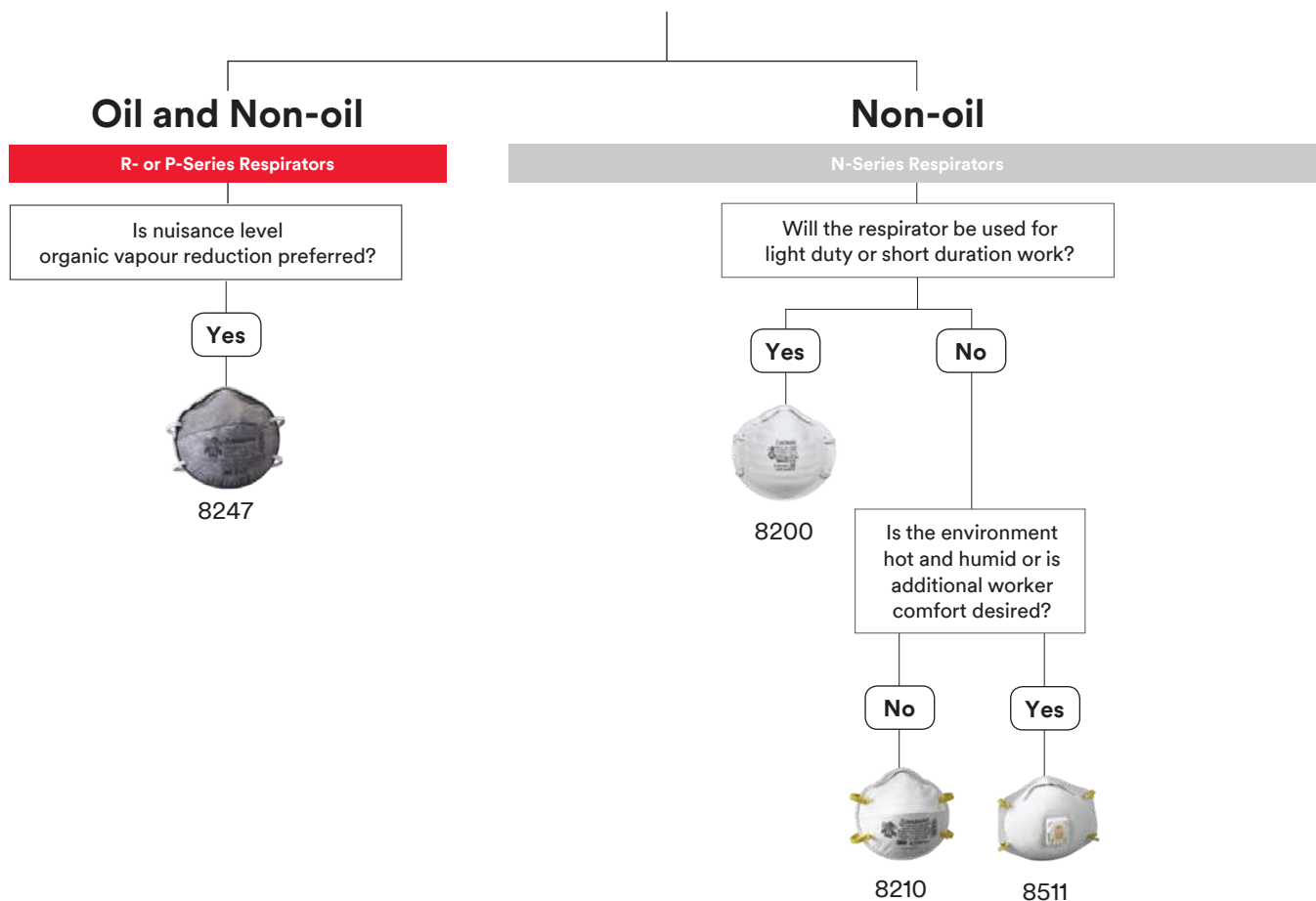
CAT ID	SAP ID	UPC	UNITS/PK
8661H5-DC	7100159764	00051141906768	5
8661H15-DC	7100157723	00638060074367	15



# Product Preference Selector

Use the selector below to identify which respirator may be preferred for increased comfort.

## What type of particles are in your environment?



Disposable Respirators

### Important

All 3M™ Filtering Facepieces are NIOSH approved respirators. Before using, you must determine the following:

- I. The types of contaminants for which the respirator is being selected and exposure time.
- II. The concentration level of the contaminant(s). Do not use for particle concentrations that exceed 10 times the applicable government occupational exposure limits.
- III. Whether the respirator can be properly fitted to the wearer's face. Do not use with beards, or other conditions that prevent a good seal between the face and the sealing surface of the respirator.
- IV. Before required use of filtering facepiece respirators, a written respiratory protection program must be implemented, meeting all the requirements of the authority having jurisdiction in your region and/or CSA standard Z94.4 including medical evaluation, training, and fit testing.

### 3M Worldwide, World Class

3M develops, manufactures and markets over 60,000 different consumer, commercial, industrial and health care products. We have manufacturing operations in 60 countries and do business in more than 200 countries. 3M can help you achieve corporate goals, meet and exceed government standards, simplify and improve the lives of your employees, and contribute to a safe, healthy and sustainable work environment.

### Warning

These respirators help reduce exposures to certain airborne particulates. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of the authority having jurisdiction in your region and/or CSA Standard Z94.4 including training, fit testing and medical evaluation. Misuse may result in sickness or death. For proper use, see package instructions, supervisor, or call 3M PSD Technical Service in Canada at 1-800-267-4414.



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# Reusable Respirators

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Charcoal-bonded cartridges help remove harmful elements from the air you breathe on the worksite. Comfortable, adaptable, and dependable, 3M has your face covered.



# How an Organic Vapour Respirator Cartridge Works

3M makes organic vapour respirator cartridges to help reduce user exposure to many different organic vapours. To achieve this objective, respirator cartridges are filled with a material called activated carbon. Activated carbon is typically made from coal or renewable resources like wood or coconut shells. It is “activated” by heating the material in nitrogen or steam at approximate temperatures of 800 – 900°C. The resulting material has a significant number of micropores that help adsorb various organic vapours. These micropores can be measured and optimized for specific product needs and performance.



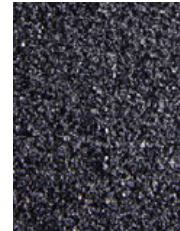
Coal or renewable resources, such as coconut shells



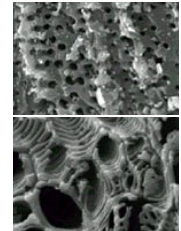
Coal or renewable resources are heated without oxygen



High-temperature steam or nitrogen activation



High-grade activated carbon



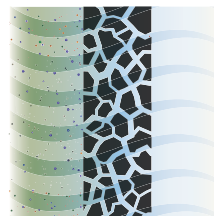
Electron micrographs of activated carbon pores

Activated carbon by itself cannot adsorb other types of gases or vapours such as acid gases, ammonia, formaldehyde, etc. In some cases, additional metals and salts are added to the carbon to selectively remove these compounds. For this reason, 3M offers a variety of cartridges and facepieces to help protect workers in different environments and satisfy personal preferences.

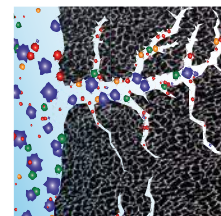
When organic vapours are drawn through an organic vapour cartridge, the air is filtered as vapours condense into the carbon pores. Vapours move through the cartridge from one pore to the next. This occurs more quickly for small volatile vapours with lower boiling points (e.g., acetone). Some migration of organic vapours can even occur during storage, so care must be taken before reusing the cartridge. The effective service life is the time until vapours begin to exit the cartridge.

Unlike particle filters, service life is not indicated by change in breathing resistance. Instead, cartridges must be changed according to local regulations; end-of-service-life indicator; taste, smell, or irritation from the contaminant; or according to 3M™ Service Life Software calculation, whichever comes first.

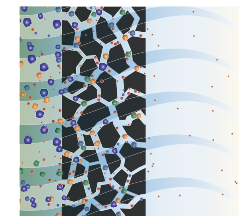
3M is committed to develop quality safety products to help protect workers. For more information about 3M™ Organic Vapour Cartridges, or to establish a cartridge change schedule, please visit [3M.ca/Safety](http://3M.ca/Safety).



Unfiltered organic vapours are drawn into the cartridge.



Activated carbon adsorbs organic vapours on molecular level.



Service life continues until vapours begin to escape the cartridge.

## Factors that influence service life:

- Exposure concentration
- Temperature
- Humidity (water vapour takes up space in carbon pores)
- Breathing rate

### Warning

These respirators help reduce exposures to certain airborne particulates. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of the authority having jurisdiction in your region and/or CSA Standard Z94.4 including training, fit testing and medical evaluation. Misuse may result in sickness or death. For proper use, see package instructions, supervisor, or call 3M PSD Technical Service in Canada at 1-800-267-4414.

## 3M™ Half Facepiece Respirators

### 3M™ Negative Pressure Respirators, Filters & Cartridges

The 3M™ Half Facepiece Respirators use interchangeable filters and cartridges, helping minimize the number of parts your facility needs to stock. They are versatile enough to meet your current and future respirator needs. These products offer unique benefits, without limiting wearer comfort.



### 3M™ Multi-Purpose Respirator with Quick Latch

- Quick latch drop-down mechanism – easy on and off
- For workplace/occupational applications only
- Kit contains 1 facepiece, 1 pair of cartridges
- NIOSH approved: OV-P95

CAT ID	SAP ID	UPC	UNITS/PK
65023QLHA1C-PS	7100117039	00076308726522	1

# Dual Cartridge Respirators



## 3M™ Multi-purpose Respirator 62023H1-DC

- Use for certain moulds, lead and sprays from coatings and sealants
- For workplace/occupational use only
- Drop-down feature for more versatility
- Balanced design for improved comfort
- Sweptback cartridges for improved visibility
- NIOSH approved: OV/AG/P100

CAT ID	SAP ID	UPC	UNITS/PK
62023H1-DC	7100156931	00051141902784	1



## 3M™ Replacement Cartridges for Multi-purpose Respirator 60923H1-DC

- Use for certain moulds, lead and sprays from coatings and sealants
- Use with 3M™ 6000 or 7500 Series Facepieces
- One pair of cartridges
- NIOSH approved: OV/AG/P100

CAT ID	SAP ID	UPC	UNITS/PK
60923H1-DC	7100159818	51141900223	2

# 3M™ Reusable Respirator Products



## 3M™ Household Multi-purpose Respirator 65021H1-DC

- Use for certain non-harmful sprays and vapours from pesticides, stains, varnishes, coatings, sealants and odour reduction
- For do-it-yourself/homeowner applications
- Balanced design for more comfort
- Sweptback cartridges for improved visibility
- NIOSH approved: OV/P100

CAT ID	SAP ID	UPC	UNITS/PK
65021H1-DC	7100155156	00051141902777	1



## 3M™ Replacement Cartridges

- Use for certain non-harmful sprays and vapours from pesticides, stains, varnishes, coatings, sealants and odour reduction
- For do-it-yourself/homeowner applications
- Use with 3M™ Household Multi-purpose Respirator
- One pair of cartridges
- NIOSH approved: OV/P100

CAT ID	SAP ID	UPC	UNITS/PK
60921H1-DC	7100151640	00051141900230	2

# Dual Cartridge Respirators for Professional Use



## 3M™ Lead Paint Removal Respirator 62093H1-DC

- Use for sanding and scraping of lead-based paint in certain projects
- For workplace/occupational applications only
- Balanced design for more comfort
- NIOSH approved: P100

CAT ID	SAP ID	UPC	UNITS/PK
62093HA1-A	7100159819	00051141905204	1



## 3M™ Replacement Filters for Lead Paint Removal Respirator 7093H1-DC

- Use for sanding and scraping of lead-based paint in certain projects
- For workplace/occupational applications only
- Use with 3M™ Lead Paint Removal Respirator
- NIOSH approved: P100

CAT ID	SAP ID	UPC	UNITS/PK
7093HB1-C	TBD	TBD	2

# Occupational Respirator Application Guide

This guide is not exhaustive; employers must properly assess hazards and select appropriate respirators per OSHA 29 CFR 1910.134.

Application	Disposable Respirators			Disposable Respirators			
	N95	Flat-Fold N95	Nuisance Odour R95	N95	Odour P95	Welding N95	Lead N100
	PART NUMBER						
	8200, 8210+	9105	8247 <sup>2</sup>	8511	8577 <sup>2</sup>	8515	8233
Ceiling Stucco Spray			X		X		
Coatings (Powder)	X	X		X			
Custodial (Chlorine-Based Cleaners, Bleach)							
Custodial (Window Cleaner, Floor Cleaner, etc.)			X		X		
Dust (Nuisance)	X	X		X			
Groundskeeping (Lawn Mowing, etc.)	X	X		X			
Insulation (Fibreglass)	X	X		X			X
Insulation (Spray Foam)							
Lead							X
Mould — Chemical Removal <sup>3</sup>							
Mould — Dry Removal <sup>3</sup>	X	X		X			
Painting			X		X		
Paint (Automotive Spray)							
Pesticides (Certain Granules)	X	X		X			
Pesticides (Certain Liquids/Sprays)			X		X		
Pool Chemicals/Treatment							
Rust Removal with Acid-Based Solution							
Sanding (Drywall/Wood)	X	X		X			
Varnish/Staining			X		X		
Welding						X	
Wet Saw Cutting (Tile, Stone, etc.)	X	X		X			
Woodworking	X	X		X			X

Always read and follow all user instructions.

<sup>1</sup>When working with chemicals/odours, always work in a well-ventilated area. Work outside if at all possible.

<sup>2</sup>Always read and follow all user instructions. For nuisance-level odours only. Follow EPA Guidelines for mould removal: [epa.gov/mould](http://epa.gov/mould).

For guidance on filter replacement frequency, visit [3M.com/cartridgefilterguide](http://3M.com/cartridgefilterguide).





Reusable Respirators with Cartridges<sup>1</sup>

Full-Face OV/P95	Professional Paint OV/P95	Paint Project OV/P95	Disposable Paint Project OV/P95	Lead Paint P100	Mold and Lead Removal P100	Professional OV/AG/ P100
PART NUMBER						
68P71	7512	6211	52P71	62093	6297	62023 (D)
X	X	X	X			
				X	X	
						X
		X				X
				X	X	
					X	
				X	X	
X	X	X				X
				X	X	
						X
					X	
X	X	X	X			
X	X	X	X			
				X	X	
X	X	X	X			
						X
						X
					X	
X	X	X	X			X
					X	
				X	X	
					X	

**Warning**

These respirators help reduce exposures to certain airborne particulates. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. Misuse may result in sickness or death. For proper use, see package instructions, supervisor, or call 3M PSD Technical Service in Canada at 1-800-267-4414.

## Respirator Certification

A respirator generally covers the mouth and nose and helps to reduce the wearer's exposure to certain airborne contaminants. Respirators may include filters that trap airborne particles and/or chemical cartridges that remove nuisance odours, certain organic vapours and/or acid gases. In Canada and the U.S., professional users must comply with all aspects of Occupational Safety and Health Administration (OSHA) Regulation 1910.134 if respiratory protection is required.

Do-it-yourselfers cannot be assured respiratory protection, as they are not regulated by OSHA regarding proper respirator selection and usage, and are not part of respiratory protection program as required by OSHA.

### NIOSH Certification

In Canada and the U.S., all respirators must be certified by the National Institute for Occupational Safety and Health (NIOSH) and must be used in accordance with the terms of that certification. All filters, cartridges and canisters must be labeled with the appropriate NIOSH approval label. The label must not be removed or defaced while the respirator is in use.

3M™ N95, R95, P95 and P100 Filters meet NIOSH 42CFR 84 regulations regarding the filter classifications indicated. These filters differ by filter efficiency levels and to the extent, if any, they are degraded by oily materials.

### NIOSH Ratings

#### N95

N95 means that the filter provides at least 95% filtration efficiency against solid and liquid aerosols that do not contain oil.

#### R95

R95 means that the filter provides at least 95% filtration efficiency against solids and liquid aerosols and is somewhat resistant to oils.

#### P95

P95 means that the filter provides at least 95% filtration efficiency against solids and liquid aerosols and is strongly resistant to oils.

#### P100

P100 indicates that the filter provides a minimum of 99.97% filtration efficiency against solid and liquid aerosols, including oils.

#### OV

NIOSH approval: Certain organic vapours.

#### AG

NIOSH approval: Chlorine, hydrogen chloride and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only).

#### OV/AG

NIOSH approval: Certain organic vapours, chlorine, hydrogen chloride, and sulfur (escape only) or hydrogen fluoride.

## Maintenance and Care

Respiratory recommendations are for typical activities carried out in open, well-ventilated areas. It is important to read, understand and follow the warnings provided in the User Instructions before any of these products are worn.

Always inspect the respirator prior to use for cleanliness and defects. Replace any respirator with cracks, dents, tears or loose parts immediately. See Product User Instructions for additional information on use and care.

# Eye Protection

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According to the Canadian National Institute for the Blind, over 700 Canadian workers per day sustain eye injuries on the job, resulting in lost time and/or temporary or permanent vision loss.

Ninety percent are preventable by the use of proper safety equipment, including safety eyewear<sup>1</sup>.

1. Canadian National Institute for the Blind, 2015.

## Levels of Eye Protection

There are two levels of eye protection as defined by the ANSI Z87.1 Standards that apply to frames and lenses – Basic and High Impact.

### High Impact Lens Requirements:

Must pass high-velocity testing where 1/4" steel balls are shot at different velocities.

Eyewear: 150 ft./sec.

Goggles: 250 ft./sec.

Face Shields: 300 ft./sec.

In addition, lenses must pass a high-mass impact test where a 1.1 lb. pointed projectile is dropped onto the lens from a height of 50".

### Frames

All eyewear (spectacles, goggles, faceshields and welding helmets) frames/housings must comply with the high-impact requirement while retaining the lens.

### Product Markings

All spectacles, goggles and faceshields must be marked with appropriate level of protection.

### Eyewear Lenses

#### Basic Impact

Manufacturer's Mark and ANSI Standard = 3MZ87

#### High Impact

Mfr's Mark, ANSI Standard and Plus Sign = 3MZ87+

#### Specialty Lens

Mfr's Mark, ANSI Standard and "S" = 3MZ87+S

### Goggle & Faceshield Lenses

#### Basic Impact

Manufacturer's Mark and ANSI Standard = 3MZ87

#### High Impact

Mfr's Mark, ANSI Standard and Plus Sign = 3MZ87+

### Basic Impact Lens Requirements:

Must pass the ball drop test. A 1" diameter steel ball is dropped on the lens from a height of 50".

## Maintenance & Care

Safety eyewear should be inspected prior to use since excessive scratching, pitting and cracking will reduce the eyewear integrity. Any eyewear with cracking or other defects should be replaced immediately. Also, any eyewear worn during an eye accident should be replaced. Eyewear should be put on and removed with two hands to prevent bowing or misalignment of the temples and should not be stored in sunlight.

### Tips to Improve Eyewear Lifespan

- Never wipe or clean eyewear lenses when they are dirty. Wash or blow off dust or grit.
- Never use paper products, such as facial tissues, on eyewear lenses since wood fibres may scratch the lenses.
- Wash lenses in warm water and let air dry or pat with soft cloth.
- Keep eyewear in protective case or storage bag.
- Don't rest the eyewear face down (on lenses) on a flat surface.

## Value Eyewear

### 3M™ SecureFit™ Protective Eyewear 400

Self-adjusting Pressure Diffusion Temple (PDT) Technology diffuses pressure over the ear while securely covering gaps and spaces around the eyes. Weighing in at less than 1 oz., 3M™ SecureFit™ Safety Eyewear has you protected.



#### Features and Benefits

- 3M's proprietary **Pressure Diffusion Temple Technology** allows temples to naturally adjust for a comfortable fit on virtually any head size
- **Soft-touch nosepiece and temples** for a secure and comfortable fit
- **Shatter-resistant** polycarbonate lens
- **Anti-fog coating** to reduce fogging of safety glasses
- **Wraparound design** provides extended eye protection and unobstructed viewing
- Passes **ANSI Z87.1-2010** standards
- Blocks **99.9% of UV light**
- **Product Weight** – 19 grams

#### Lens options for different environments

- **Clear lens** provides ideal visual acuity for work indoors or outdoors
- **Grey lens** helps decrease sunlight and is ideal for outdoor work
- **Indoor/Outdoor mirror lens** for applications where you need to move from indoors to outdoors often

CAT ID	SAP ID	UPC	Frame	Lens	UNITS/PK
SF400C-WV-6-NA	7100112109	00076308723941	Black	Clear	1
SF400G-WV-6-PS	7100111916	00076308723989	Black	Grey	1
SF400M-WV-6-PS	7100112106	00076308724023	Black	Mirror	1
SF400-W-3PK -PS	7100112107	00076308724016	Black	Clear, Grey & Mirror	3

## Value Eyewear

### 3M™ Flat Temple Safety Eyewear



47010H1-DC



47011H1-DC



47013H1-DC



#### Features and Benefits

- **Shatter-resistant** polycarbonate lens
- **Wraparound design** provides extended eye protection and unobstructed viewing
- Passes **ANSI Z87.1-2010** standards
- Blocks **99.9%** of UV light
- **Product Weight** – 20 grams

#### Lens options for different environments

- **Clear lens** provides ideal visual acuity for work indoors or outdoors
- **Grey lens** helps decrease sunlight and is ideal for outdoor work
- **Yellow lens** helps increase contrast by blocking blue light; good for low-light conditions such as dawn or dusk

CAT ID	SAP ID	UPC	Frame	Lens	UNITS/PK
47010H1-DC	TBA	00051141975870	Black	Clear	1
47011H1-DC	TBA	00051141975887	Black	Tinted	1
47013H1-DC	7100099368	00076308724009	Black	Amber	1

## 3M™ Performance Safety Eyewear

### Brow Guard Eyewear



47100H1-DC



47101-WZ4



#### Features and Benefits

- Shatter-resistant polycarbonate lens
- Browguard to help prevent sweat and debris from falling into the eyes
- Anti-scratch coating
- Wraparound design provides extended eye protection and unobstructed viewing
- Clear lens provides ideal visual acuity for work indoors or outdoors
- Grey lens helps decrease sunlight and is ideal for outdoor work
- Passes ANSI Z87.1-2010 standards
- Blocks 99.9% of UV light
- Product Weight – 33 grams

CAT ID	SAP ID	UPC	FRAME	LENS	UNITS/PK
47100H1-DC	7100153545	00076308724467	Black	Clear	1
47101H1-DC	7100153179	00076308724504	Black	Tinted	1

## 3M™ Performance Safety Eyewear

### Aerodynamic Design



### Features and Benefits

- Shatter-resistant polycarbonate lens
- Anti-fog coating to reduce fogging of safety glasses
- Wraparound design provides extended eye protection and unobstructed viewing
- Soft-touch nosepiece and temples for a secure and comfortable fit
- Passes ANSI Z87.1-2010 standards
- Blocks 99.9% of UV light
- Product Weight – 33 grams
- Clear lens provides ideal visual acuity for work indoors or outdoors
- Grey lens helps decrease sunlight and is ideal for outdoor work



CAT ID	SAP ID	UPC	FRAME	LENS	UNITS/PK
47090H1-DC	7100153543	00076308725860	Black	Clear	1
47091H1-DC	7100153473	00076308725907	Black	Tinted	1



### Clear Frame with Clear Lenses Over-the-Glass Eyewear

#### Features and Benefits

- Designed to be worn over most prescription eyewear
- Made of strongest, most impact-resistant lens material available
- Built-in side shields offer all-over protection
- Provides 99.9% UV protection
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



CAT ID	SAP ID	UPC	FRAME	LENS	UNITS/PK
47110H1-DC	7100150106	00076308729943	Clear	Clear	1



## 3M™ Performance Safety Eyewear

### Foam Gasket Design



#### Features and Benefits

- Removable foam gasket helps limit eye exposure to dust and debris while providing additional cushioning
- **Shatter-resistant** polycarbonate lens
- **Anti-fog coating** to reduce fogging of safety glasses
- Airflow vents make this eyewear suitable for humid environments
- **Wraparound design** provides extended eye protection and unobstructed viewing
- **Indoor/Outdoor mirror lens** for applications where you need to move from indoors to outdoors often
- Passes **ANSI Z87.1-2010** standards

CAT ID	SAP ID	UPC	FRAME	LENS	UNITS/PK
47200H1-DC	7100088782	00051125003957	Black	Clear	1



### 3M™ Chemical Splash/Impact Goggles

#### Features and Benefits

- Economical goggle offers indirect venting and anti-fog coating for reduced fogging
- **Sturdy and shatter-resistant** polycarbonate lens
- **Clear lens** provides ideal visual acuity for work indoors or outdoors
- **Wide opening** to fit over most prescription eyewear
- **Adjustable elastic strap**
- Passes **ANSI Z87.1-2010** standards
- Blocks **99.9% of UV light**
- **Product Weight** – 65 grams



CAT ID	SAP ID	UPC	FRAME	LENS	UNITS/PK
93506-T-C	7100153680	00638060080245	White	Clear	1

## 3M™ Performance Safety Eyewear

### Multi-Purpose Design



#### Features and Benefits

- Shatter-resistant polycarbonate lens
- Anti-fog coating to reduce fogging of safety glasses
- Wraparound design provides extended eye protection and unobstructed viewing
- Soft-touch nosepiece and temples for a secure and comfortable fit
- Passes ANSI Z87.1-2010 standards
- Blocks 99.9% of UV light
- Product Weight – 27 grams

#### Lens options for different environments

- Clear lens provides ideal visual acuity for work indoors or outdoors
- Grey lens helps decrease sunlight and is ideal for outdoor work
- Yellow lens helps increase contrast by blocking blue light; good for low-light conditions such as dawn or dusk

CAT ID	SAP ID	UPC	FRAME	LENS	UNITS/PK
47070H1-DC	7100088783	00051125003995	Black	Clear	1
47071H1-DC	7100088784	00051125004015	Black	Grey	1
47072H1-DC	7100088785	00051125004022	Black	Amber	1



47072-WZ4



47071-WZ4



47070-WZ4



Science.  
Applied to Life.™



# Ear Protection

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When it comes to protecting workers' hearing  
there is no one-size-fits-all solution.

# 3M™ Ear Protection Products – Ear Plugs

## Disposable Ear Plugs



### 3M™ Disposable Ear Plugs

- Ultra-soft foam for comfortable all-day wear
- Expands slowly to fit most ear canals
- NRR 32 dB
- Value pack option available

CAT ID	SAP ID	UPC	UNITS/PK
92050H4-DC	7100156958	00078371920500	4 pairs
92059H80-DC	7100156923	00051141333519	80 pairs

## Reusable Ear Plugs



### 3M™ Banded Hearing Protector

- Lightweight and adjustable
- Store around neck when not being used
- Pods are washable, detachable and replaceable
- NRR 28 dB

CAT ID	SAP ID	UPC	UNITS/PK
90537H1-DC	7100155182	00080529905376	1



### 3M™ Corded Reusable Ear Plugs

- Triple-flange design for a comfortable, snug fit
- Cord reduces the chance of losing earplugs
- NRR 25 dB

CAT ID	SAP ID	UPC	UNITS/PK
90586H1-DC	7100159303	00078371905866	1

## 3M™ Peltor™ Junior Earmuff



### 3M™ Peltor™ Junior Earmuff

- Liquid Foam Ear Cushions
- Adjustable Stainless Steel Headband
- NRR 22 / CSA Class B
- Sized for youth and smaller adults, ages 13 and up

CAT ID	SAP ID	UPC	UNITS/PK
97070C	7000124584	00051141358635	1

## 3M™ Folding Earmuff



### 3M™ Folding Earmuff

- Folds away for easy storage
- Adjustable
- NRR 23 dB

CAT ID	SAP ID	UPC	UNITS/PK
90563H1-DC	7100153691	00076308906443	1

## 3M™ Professional Hearing Protector



### 3M™ Professional Hearing Protector

- Excellent fit and comfort while providing protection
- Fully adjustable, steel-wire padded headband
- Patented twin-cup design
- NRR 30 dB

CAT ID	SAP ID	UPC	UNITS/PK
90565-4DC-PS	7100107419	00076308873356	1

# WORK ON. PLAY ON.



## Bluetooth® Wireless Technology

Seamlessly stream music from mobile phones or other Bluetooth® wireless technology enabled devices



## Hi-Fi Sound

40 mm high-fidelity speakers for premium sound quality



## Integrated Microphone

Make and take phone calls without having to remove the headset



## Noise Reduction Rating

24 decibels

# 3M™ WorkTunes™ Connect Wireless Hearing Protector

## FEATURES



- Simple single-button interface
- Audio Assist for easy setup



- Lightweight, low-profile design with soft, conformable ear cushions
- Cord- and antenna-free



- Built-in rechargeable battery with charging cord
- Auto shut-off with battery status indicator

Product Number	Product Description	Price Unit	Packaging Price Units Per Case	3M Stock Number	Item UPC	Case UPC
90543H1-DC-PS	3M™ WorkTunes™ Connect + AM/FM Hearing Protector with Bluetooth® Technology	Each	4	7100160539	00076308913267	50076308913262

## 3M™ Worktunes™ Wireless Hearing Protector



### 3M™ WorkTunes™ Connect + AM/FM Hearing Protector with Bluetooth® Technology

- AM/FM radio and hearing protector all in one
- Voice Assist makes product easier to use
- Bass Boost options enhance user's listening experience
- MP3 or scanner compatible
- Lightweight and comfortable
- Soft foam ear cushions
- Fully adjustable
- NRR 24 dB

CAT ID	SAP ID	UPC	UNITS/PK
90542H1-DC-PS	7100148799	00076308726539	1

## 3M™ Worktunes™ Hearing Protector



### 3M™ WorkTunes™ AM/FM Hearing Protector

- AM/FM radio and hearing protector all in one
- Voice Assist makes product easier to use
- Bass Boost options enhance user's listening experience
- MP3 or scanner compatible
- Lightweight and comfortable
- Soft foam ear cushions
- Fully adjustable
- NRR 24 dB

CAT ID	SAP ID	UPC	UNITS/PK
90541H1-DC-PS	7100156587	00078371905415	1

# 3M™ WORKTUNES™ HEARING PROTECTORS

## THREE WAYS TO PLAY



**3M™ WORKTUNES™  
WIRELESS**  
Hearing Protector + Wireless Headphones



**3M™ WORKTUNES™  
CONNECT WIRELESS**  
Hearing Protector + Wireless Headphones



**3M™ WORKTUNES™**  
Hearing Protector



NRR 24 dB	●	●	●
Bluetooth® Wireless Technology	●	●	
AM/FM Radio	●		●
Make & Receive Phone Calls	COMING IN 2018	●	
High-Fidelity Speakers	COMING IN 2018	●	
MP3 Compatible	●	●	●
Vented Headband	●		
Compatible with Hats/Caps	●	●	
Soft, Padded Ear Cushions	●	●	●
Safe Volume Control	●		
Audio Assist/Voice Assist	●	●	●
Auto Shut-Off	●	●	●
Low-Battery Indicator	●	●	●
AA Batteries	●		●
Built-in Rechargeable Battery		●	
Optional Lithium Battery Pack	●		



**3M** Science.  
Applied to Life.™



# General Safety Protection

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Be covered under any circumstances with durable hard hats made with Lightweight High Density Polyethylene (HDPE)

## Advanced protection from a leader in safety.

The 3M Brand is synonymous with innovation and technical precision. We're at the leading edge of head and face protection because we have our ear to the ground. We understand the nuanced needs of different market segments, and we're constantly elevating the standards of personal safety for a wide range of industries.

We design and produce hard hats, faceshields, combination systems and accessories to meet a diverse spectrum of needs. We're committed to producing consistently reliable, user-friendly products – and that commitment is demonstrated by each offering in our varied catalogue.

Our head and face products help deliver protection, comfort and performance.

**3M offers complete solutions for head and face protection. Components can be combined to accommodate the needs of your application or environment.**



### 3M™ Hard Hats



Engineered for extended comfort and durability, cap-style brim and full-brim hard hats work as hard as the people who wear them.

### 3M™ Faceshields



Designed for industries requiring face coverage, our faceshields offer reliable protection with versatile features.

## Head Protection



### 3M™ Vented Hard Hat with Ratchet Adjustment

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with three levels of height adjustment
- Includes a replaceable, ventilated foam brow pad with a cover for comfort and ventilation between the forehead and the foam
- Smooth-turning 4-point ratchet suspension system
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets the requirements of ANSI/ISEA Z89.1-2009 Type 1, Class C
- Meets CSA Z94.1-2005 Type 1, Class C requirements

CAT ID	SAP ID	UPC	UNITS/PK
CHH-V-R-W6-PS	7100119479	00078371912703	1



### 3M™ Non-Vented Hard Hat with Ratchet Adjustment

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with three levels of height adjustment
- Includes a replaceable, ventilated foam brow pad with a cover for comfort and ventilation between the forehead and the foam
- Smooth-turning 4-point ratchet suspension system
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets the requirements of ANSI/ISEA Z89.1-2009 Type 1, Dielectric Class C, G and E
- Meets CSA Z94.1-2005 Type 1, Dielectric Class C, G and E requirements

CAT ID	SAP ID	UPC	UNITS/PK
CHH-R-Y6-PS	7100119478	00078371912987	1
CHH-R-W6-PS	7100119483	00078371912970	1



## 3M™ Full-Brim Non-Vented Hard Hat with Ratchet Adjustment

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with three levels of height adjustment
- Includes a replaceable, ventilated foam brow pad with a cover for comfort and ventilation between the forehead and the foam
- Smooth-turning 4-point ratchet suspension system
- Full brim helps protect ears and neck from UV rays
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets requirements of ANSI/ISEA Z89.1-2009 Type 1, Dielectric Class C, G and E
- Meets CSA Z94.1-2005 Type 1, Dielectric Class C, G and E requirements
- Dielectric protection up to 20,000 volts

CAT ID	SAP ID	UPC	UNITS/PK
CHH-FB-R-W6-PS	7100119484	00078371912802	1



## 3M™ Non-Vented Hard Hat with Pinlock Adjustment White

- Optimized comfort with three levels of height adjustment
- Replaceable standard brow pad
- Lightweight protection and durability for extended comfort
- Short brim for better upward visibility
- White, low-profile hard hat for improved stability and balance
- ANSI compliant when worn in the forward and reverse donning positions
- Meets requirements of ANSI Z89.1-2014 Type 1, Class G and E
- Meets CSA Z94.1-2015 Type 1, Class G and E requirements

CAT ID	SAP ID	UPC	UNITS/PK
CHHWH1-12-DC	7100153546	00078371912956	1

## Face Protection



### 3M™ Professional Faceshield

- Helps protect the eyes and face against impact and chemical hazards
- Crown protector is made of a high-strength thermoplastic material
- Window is made of polycarbonate
- 3M proprietary window attachment system is easy to replace
- Easy-to-adjust pinlock for a custom, secure fit
- Meets the requirements of ANSI Z87.1-2003

CAT ID	SAP ID	UPC	UNITS/PK
90028H1-DC	7100159309	00078371900281	1

## 3M™ Enhanced & High Visibility Safety Vests



### 3M™ Reflective Construction Safety Vest, Class 2, Hi-Viz

- Meets ANSI/ISEA 107-2010 Class 2 and Federal Highway Mandate - 2009 Manual of Uniform and Traffic Control Devices to help meet the retro-reflective performance needed for most worksites
- Required for workers on sites around traffic going 40 km or faster and workers around heavy equipment
- Designed for moderate risk: construction, utility, school crossing, parking lots, traffic direction
- Made of lightweight, breathable mesh for increased air circulation and faster drying times
- Five-point tear-away system using hook and loop closures for increased safety
- Two large interior pockets
- Provides 360 degree reflective material using 2" 3M™ Scotchlite™ Reflective Material



CAT ID	SAP ID	UPC	UNITS/PK
94625-80030-PS	7100111707	00078371946258	1
94617-80030-PS	7100112055	00078371946173	1



### 3M™ Reflective Construction Safety Vest, Class 2, Two-Tone

- Meets ANSI/ISEA 107-2010 Class 2 and Federal Highway Mandate – 2009 Manual of Uniform and Traffic Control Devices to help meet the retro-reflective performance needed for most worksites
- Required for workers on sites around traffic going 40 km or faster and workers around heavy equipment
- Designed for moderate risk: construction, utility, school crossing, parking lots, traffic direction
- Made of lightweight, breathable mesh for increased air circulation and faster drying times

CAT ID	SAP ID	UPC	UNITS/PK
94620-80030-PS	7100112053	00051141376646	1



### 3M™ Scotchlite™ Reflective Material Day/Night Safety Vest

- Use for recreational purposes only
- Fluorescent yellow with 1" 3M™ Scotchlite™ Reflective Material – 8906 Silver Fabric Trim
- Lightweight design made with breathable mesh
- Adjustable side straps
- Cell phone pocket

CAT ID	SAP ID	UPC	UNITS/PK
94601H1-DC	7100040916	00078371946012	1

# Warnings & Cautions

## For Do-it Yourself/Homeowner Applications

### ⚠️ WARNING

#### Respirator Products Warning

These respirator products help keep non-harmful dusts and certain particles out of your nose, mouth and lungs. **Misuse may adversely affect your health.** For proper use, see packaging, User Instructions, or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

#### Government Approval

NIOSH certification means the respirator has passed stringent government performance standards including filtration efficiency testing and provides at least 95% filtration efficiency against solid and liquid particles that do not contain oil. When choosing a respirator for your home improvement project or activity, consider looking for the NIOSH approval (e.g. N95, P95 or P100) to identify government-approved products.

#### Use For

Non-harmful dusts and certain particles encountered during sanding projects (bare wood, non-lead painted surfaces or drywall); sweeping; installations of fiberglass insulation; pollen; and mould spores; and non-harmful dusts encountered during outdoor activities such as: gardening, cutting firewood, raking and mowing. Always use in well-ventilated areas.

#### Do Not Use For

Any toxic or harmful substance such as lead and asbestos.

## For Workplace/Occupational Applications:

### ⚠️ WARNING

#### Respirator Products Warning

These respirator products help reduce exposures to certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134, including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. **Misuse may result in sickness or death.** For proper use, see package instructions, supervisor, or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

### ⚠️ WARNING

#### Hearing Protection Products Warning

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, User Instructions, or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing ear plugs. Failure to do so may result in hearing loss or injury. Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in earplug fit and wearing time. It is recommended that the NRR be reduced by 50% for estimating the average amount of noise reduction provided.

### ⚠️ WARNING

#### Head Protection Products Warning

This safety product provides only limited protection. **Improper use may result in serious bodily injury or death.** For proper use and limitations, see packaging or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

### ⚠️ WARNING

#### Eye & Face Products Warning

This product helps provide limited eye protection against certain flying particles. **Misuse may result in serious and permanent eye injury, including blindness or death.** For proper use and limitations, see packaging or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

### ⚠️ WARNING

#### Hearing Protection Products Warning

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use and limitations, see packaging or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630. If there is any drainage from your ear or if you have a hole in your eardrum, consult with your physician before wearing hearing protection. Failure to do so may result in hearing loss or injury. Keep earplugs away from infants and small children. They may get caught in their windpipe if swallowed.

### ⚠️ WARNING

#### Safety Vest Products Warning

This product is designed to help enhance your visibility by reflecting light. **Misuse of this product may reduce visibility and result in serious bodily injury.** For proper use and limitations, see packaging or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

### ⚠️ WARNING

#### Safety Vest Products Warning

This product is designed to help enhance your visibility by reflecting light. **Misuse of this product may reduce visibility and result in serious bodily injury.** For proper use and limitations, see supervisor, packaging or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

### ⚠️ WARNING

#### Eye & Face Products Warning

These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and instructions may result in serious potential injury, including blindness or death.** For proper use, selection, and applications against flying particles, optical radiation and/or splash see supervisor, read User Instructions and warnings on the package or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

### ⚠️ WARNING

#### Head Protection Products Warning

These hard hats provide limited protection only. **Misuse or failure to follow warnings and User Instructions may result in serious personal injury or death.** For proper use, see supervisor, or User Instructions, or call 3M Technical Services in Canada at 1-800-267-4414. In the U.S.A., call 1-800-243-4630.

Bumpcaps do not provide protection against impact from falling or glancing objects. They do not protect against electrical hazards. Bumpcaps do not meet the requirements of the American National Standard for Industrial Head Protection ANSI Z89.1. When head protection is required, wear a protective hard hat or helmet that meets the requirements of ANSI Z89.1.



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