

**3M Products for Maintenance, Repair & Operations**



Helping Create  
a Safer  
More Productive  
Workplace

**3M**

# An experienced supplier who understands your industry

3M has been supplying products to the Oil and Gas business for over 60 years. Today, nearly 10,000 3M products are available in every corner of the industry – from exploration and production to refining, transportation and marketing.

## Introducing 3M Oil & Gas

3M Oil and Gas is a new business group that brings the wide range of 3M products for the Oil and Gas Industry together under one roof. Its purpose is to make it easier for you to access 3M technologies from the company's many divisions, departments and laboratories around the world – with locally-based sales, technical and manufacturing resources in the world's major oil producing centers, including our new Oil and Gas Industry Center in Houston, Texas.

3M Oil and Gas offers you a wealth of proven, practical and ingenious ideas that you can put to work right now, to make your workplace safer, more productive and more efficient. Even more important, we can help you connect to 3M's vast technology portfolio find innovative ways of solving tomorrow's most difficult application challenges.



# Global supply, local service

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## Cutting

### 3M™ Green Corps™ Cut Off Wheel

Wheel is designed to provide high cut rates and long life on most all materials including fiberglass, stainless steel, mild steel and aerospace alloys. Ideal for use on a wide variety of utility-type, cut-off tools. Do not use on tools without guards.



UPC Number	3M Model Number	Size	Desc	Case Qty	Units
00-051144-83487-7	83487	2"x $\frac{1}{6}$ "x $\frac{1}{4}$ "	Bulk	50	WH
00-051144-82238-6	82238	3"x $\frac{1}{2}$ "x $\frac{1}{4}$ "	Bulk	50	WH
00-051131-01986-7	01986	3"x $\frac{1}{6}$ "x $\frac{3}{8}$ "	Bulk	50	WH
00-051144-88755-2	88755	4"x $\frac{1}{2}$ "x $\frac{1}{4}$ "	Bulk	50	WH
00-051131-01994-2	01994	4"x $\frac{1}{2}$ "x $\frac{3}{8}$ "	Bulk	50	WH

### 3M™ Green Corps™ Depressed Center Wheel

These  $\frac{1}{4}$ " thick bonded wheels contain proprietary 3M™ Cubitron™ abrasive grain and produce very high cut rates on a wide variety of metals.



UPC Number	Grade	Size	Desc	Case Qty	Units
00-051111-55961-1	36	4 $\frac{1}{2}$ "x $\frac{1}{4}$ "	$\frac{5}{8}$ -11 INT	60	WH
00-051111-55991-8	24	4 $\frac{1}{2}$ "x $\frac{1}{4}$ "x $\frac{7}{8}$ "	With Center Hole	60	WH
00-051111-55959-8	36	7"x $\frac{1}{4}$ "	$\frac{5}{8}$ -11 INT	20	WH
00-051111-55989-5	24	7"x $\frac{1}{4}$ "x $\frac{7}{8}$ "	With Center Hole	20	WH

## Grinding

### 3M™ Depressed Center Wheel

Depressed center wheels are an excellent economical solution for general purpose grinding and cutting applications on steel. Must be used on a tool with a guard.



UPC Number	Grade	Size	Desc	Case Qty	Units
00-051135-92314-6	24	4 $\frac{1}{2}$ "x $\frac{1}{4}$ "x $\frac{5}{8}$ -11 INT	MOS: 13,300 RPM	40	WH
00-051135-92312-2	24	4 $\frac{1}{2}$ "x $\frac{1}{4}$ "x $\frac{7}{8}$ "	MOS: 13,300 RPM	40	WH
00-051135-92315-3	24	7"x $\frac{1}{4}$ "x $\frac{5}{8}$ -11 INT	MOS: 8,500 RPM	20	WH
00-051135-92313-9	24	7"x $\frac{1}{4}$ "x $\frac{7}{8}$ "	MOS: 8,500 RPM	20	WH

### 3M™ Green Corps™ Flexible Grinding Wheel

These  $\frac{1}{8}$ " thick bonded wheels contain proprietary Cubitron™ abrasive grain and can be used in a wide variety of metals. When grinding, wheels produce less noise and vibration.



UPC Number	Grade	Size	Desc	Case Qty	Units
00-051111-51164-0	36	4 $\frac{1}{2}$ "x $\frac{1}{8}$ "	$\frac{5}{8}$ -11 INT	40	WH
00-051111-50445-1	36	7"x $\frac{1}{8}$ "x $\frac{7}{8}$ "	$\frac{5}{8}$ -11 INT	20	WH

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## Surface Finishing

### 3M™ Abrasive Flap Disc 563D

An alumina zirconia abrasive flap disc constructed on a Y weight, strong, durable cloth backing. Resin bonded for heat resistance.

UPC Number	Grade	Size	Desc	Units
00-051111-50770-4	P40	4½"x½"-11 INT	10	DC
00-051111-50772-8	P80	4½"x½"-11 INT	10	DC
00-051111-50774-2	P36	7"x½"-11 INT	5	DC



### Scotch-Brite™ Roloc™ Bristle Disc

Brush-like bristle disc removes coarse coatings from the large, open areas of a work piece. Works on right angle tools quickly and easily with little or no pressure.

UPC Number	Grade	Size	Color	Case Qty	Units
00-048011-18730-3	50	2"x¾"	Green	40	EA
00-048011-18732-7	80	2"x¾"	Yellow	40	EA
00-048011-18733-4	120	2"x¾"	White	40	EA
00-048011-18734-1	50	3"x¾"	Green	40	EA
00-048011-18736-5	80	3"x¾"	Yellow	40	EA
00-048011-18737-2	120	3"x¾"	White	40	EA
00-048011-24241-5	50	4½"	Green	10	EA
00-048011-24242-2	80	4½"	Yellow	10	EA
00-048011-24243-9	120	4½"	White	10	EA



## Cleaning

### Scotch-Brite™ Clean and Strip Disc

Aggressive, open web disc for cleaning welds, removing rust and paint. May be mounted on a straight shaft tool or bench motor.

UPC Number	Grade	Size	Color	Case Qty	Units
00-048011-00941-4	SXCS	4"x½"	Black	25	DC
00-048011-00948-3	SXCS	6"x½"	Black	15	DC
00-048011-00957-5	SXCS	8"x½"	Black	15	DC



## Cleaning and Finishing

### Scotch-Brite™ General Purpose Hand Pad 7447

Most universally used in a variety of applications. Excellent starting point to clean, finish, grain, denib and defuzz. May be used by hand, with a handpad block or on an in-line sander.

UPC Number	3M Model Number	Grade	Size	Color	Desc	Case Qty	Units
00-048011-04029-5	7447	VFIN	6"x9"	Maroon	20/Inr	60	CA



### Scotch-Brite™ Blending Hand Pad 7446

Open, aggressive web that is excellent to grain, clean, denib, defuzz and finish. Resistant to loading. May be used by hand, on a handpad block or on an in-line sander. Abrasive mineral: Medium grade silicon carbide. Gray.

UPC Number	3M Model Number	Grade	Size	Color	Desc	Case Qty	Units
00-048011-04051-6	7446	MED	6"x9"	Gray	10/Inr	40	CA



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**3M™ Utility Cloth Roll 314D**

An aluminum oxide abrasive product sheet constructed on an X weight, durable cloth backing.

UPC Number	Grade	Size	Desc	Units
00-051115-19811-3	P80	1½"x50yds	5	RL
00-051115-19808-3	P150	1½"x50yds	5	RL
00-051115-19805-2	P240	1½"x50yds	5	RL



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## Rubber &amp; Gasket Adhesive

**3M™ Scotch-Weld™ Neoprene High Performance Rubber and Gasket Adhesive 1300**

A premium quality, versatile, brushable, heat-resistant adhesive that develops strength rapidly. Has excellent adhesion to metal, baked enamel, wood, most plastics, neoprene, reclaim, SBR and butyl rubber. Not for EPDM rubber.

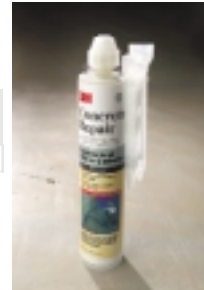


UPC Number	Size	Color	Case Qty	Units
00-021200-19868-7	5 oz	Yellow	36	TB

## Concrete Repair

**3M™ Scotch-Weld™ Concrete Repair 600, Self Leveling**

Used as a horizontal grade repair material and adhesive for numerous substrates such as concrete, ceramic, wood, metal and glass.



UPC Number	3M Model Number	Size	Color	Desc	Case Qty	Units
00-021200-96596-8	600	8.4 oz	Gray	Cartridge/2 Mix Nozzles	6	CQ

## Anaerobic Adhesive

**3M™ Scotch-Weld™ Gasket Makers**

3M™ Scotch-Weld™ Gasket Makers 3453, 3454 and 3455 are one-component anaerobic sealants formulated to replace pre-cut gaskets or used as form-in-place gaskets that cure at room temperature and seal rigid assemblies of any shape or sizes with high temperature.



UPC Number	3M Model Number	Size	Color	Desc	Case Qty	Units
00-048011-57354-0	3453	50 mL	Red	Tube	5	EA
00-048011-57392-2	3455	50 mL	Purple	Tube	5	EA

**3M™ Scotch-Weld™ Thread Sealant 3477**

3M™ Scotch-Weld™ Thread Sealant 3477 is a fast-cure, high-strength, medium-viscosity sealant for most high-pressure hydraulic and pneumatic fittings. Provides excellent solvent resistance.

UPC Number	Size	Color	Desc	Case Qty	Units
00-048011-57324-3	50 mL	Purple	Bottle	5	EA

**3M™ Scotch-Weld™ Thread Sealant 3479**

3M™ Scotch-Weld™ Thread Sealant 3479 is a slow-cure, high-strength, high-viscosity, high-temperature sealant for most hydraulic and pneumatic fittings used in water, oil, gas and many other materials. Provides instant seal at moderate pressure, but also allows realignment of assembled parts up to 24 hours later.

UPC Number	Size	Color	Desc	Case Qty	Units
00-048011-57333-5	50 mL	White	Tube	5	EA



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## Anaerobic Adhesive, cont'd

**3M™ Scotch-Weld™ Threadlocker 3494**

3M™ Scotch-Weld™ Threadlockers are one-component anaerobic adhesives that cure and seal threaded assemblies that meet a wide range of applications to prevent vibration loosening and/or leakage. All products provide excellent vibration, corrosion and shock resistance. Engineered to provide different strengths, temperatures, nut/bolt sizes and other requirements. These threadlockers allow removal and meet various selections depending on the specific application.



UPC Number	3M Model #	Size	Color	Case Qty	Units
00-048011-57305-2	3494	50 mL	Blue	5	EA

**3M™ Scotch-Weld™ Threadlocker 3495**

3M™ Scotch-Weld™ Threadlockers are one-component anaerobic adhesives that cure and seal threaded assemblies that meet a wide range of applications to prevent vibration loosening and/or leakage. All products provide excellent vibration, corrosion and shock resistance. Engineered to provide different strengths, temperatures, nut/bolt sizes and other requirements. These threadlockers allow removal and meet various selections depending on the specific application.



UPC Number	3M Model #	Size	Color	Case Qty	Units
00-048011-57310-6	3495	50 mL	Red	5	EA

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Light Duty

**3M™ Citrus Base Cleaner\***

A liquid cleaner/degreaser that can be used to dissolve and remove dirt, grease, tar and many non-curing type adhesives. It can also be used to degrease substrates for adhesive bonding in place of many chlorinated or petroleum-based solvents.

UPC Number	Size	Case Qty	Units	Net Weight
00-021200-76394-6	24 fl oz	12	CN	18.5 oz

\*NOTE: This product is not for sale in California.



Medium Duty

**3M™ Sharpshooter™ Extra Strength No-Rinse Mark Remover**

This special cleaner is designed to remove such tough stains as grease, lipstick, crayon, black heel marks and smoke film from most washable hard surfaces.

UPC Number	Size	Desc	Case Qty	Units
50-048011-19344-6	1 qt	w/Trigger Sprayers	1	CA



Heavy Duty

**3M™ TroubleShooter™ Stripper**

Heavy-duty aerosol cleaner removes soil, grease and finish buildup. Upside down spray feature for hard-to-reach places. Use on baseboards, floor edges, corners, stairways and ceramic tile. Contains no ozone-depleting chemicals.

UPC Number	3M Model #	Size	Case Qty	Units
00-048011-14001-8	14001	21 oz	12	CA



Electronic/Electrical Cleaners

**3M™ Novec™ Contact Cleaner Aerosol**

3M™ Novec™ Contact Cleaner effectively removes light oils, greases, silicones, dust and particulates from sensitive electrical equipment, including connectors, printed circuit boards, electro-mechanical devices, scales, relays and circuit breakers. Novec Contact Cleaner is compatible with plastics and other materials of construction. Based on proprietary 3M solvent technology, it is non-flammable, non-ozone depleting and contains no HCFCs, HFCs, nPB or HAPs.

UPC Number	Size	Case Qty	Units
00-051135-71699-1	11 oz	6	CN



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### 3M™ Novec™ Electronic Degreaser

3M™ Novec™ Electronic Degreaser effectively removes oils, greases and handling soils from electric motors, electrical equipment, precision devices and other electro-mechanical or sensitive devices. This industrial strength cleaner is suitable for use on metals and many plastics, with the exception of acrylics, polycarbonates, ABS and PS. Based on proprietary 3M solvent technology, it is non-flammable, non-ozone depleting and contains no HCFC's, HFC's, nPB or HAPs.



UPC Number	Size	Case Qty	Units
00-051135-71698-4	12 fl oz	6	CN

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## Electrical Insulation Putty

**3M™ Scotchfil™ Electrical Insulation Putty**

Wrap and stretch this electrical insulation putty around low-voltage connections (up to 600V). Moisture-seal ground wires or smooth out irregularities. Electrical grade, rubber-based, elastic putty in a tape form is self-fusing. 125 mil thick for quick insulation buildup. Overwrap with Scotch® Super 33+™ Vinyl Electrical Tape for best corrosion protection. Use up to 176° F (80° C).



UPC Number	Size	Case Qty	Units
00-054007-41750-7	1½"x60"	1	RL

## Corrosion Protection Tape

**3M™ Scotchrap™ All-Weather Corrosion Protection Tape 50**

This 10 mil polyvinyl chloride (PVC) tape with a high-tack adhesive provides a corrosion and impact resistant seal for all-weather protection of metal piping systems above and below ground.

UPC Number	Size	Case Qty	Units
00-054007-11156-6	2"x100'	1	RL
00-054007-10646-3	4"x100'	1	RL

**3M™ Scotchrap™ All-Weather Corrosion Protection Tape 51**

This 20 mil polyvinyl chloride (PVC) tape with a high-tack adhesive provides a corrosion and impact resistant seal for all-weather protection of metal piping systems above and below ground.

UPC Number	Size	Case Qty	Units
00-054007-42807-7	2"x100'	1	RL
00-054007-42808-4	4"x100'	1	RL



## Corrosion Tape Primer

**3M™ Scotchrap™ Pipe Primer**

A quick-drying, non-sag rubber base primer that permeates metal surface pits and irregularities, preparing the surface for tape application. Must use 3M™ Scotchrap™ Pipe Primer as the base coat for all pipewrap tapes.

UPC Number	Size	Case Qty	Units
00-054007-42768-1	1 gal	1	GA



## Girthwelds

**3M™ ScotchKote™ Brush Grade 323 Coating**

A two part epoxy coating packed in quart and gallon size container. Each kit contains the appropriate amount of both parts A and B. Scotchkote™ 323 can be used as a patch material, a girthweld coating, a stand alone coating for pipe rehabilitation and in a wide variety of other field applications.

UPC Number	Size	Case Qty	Units
00-051135-17564-4	1 gal	1	KT
00-051135-17574-3	1 qt	1	KT
00-051135-22128-0	1 qt	1	KT
00-051135-22129-7	1 gal	1	KT



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## Girthwelds, cont'd

**3M™ ScotchKote™ 323 Cartridge**

A new liquid patch and rehab compound available in convenient cartridges.

UPC Number	3M Model #	Size	Case Qty	Units
00-051135-17563-7	80630000570	50ml cartridge	32	CA
00-051135-32704-3	80630001081	400ml cartridge	6	CA

**3M™ ScotchKote™ 323 Applicator**

Application equipment to properly dispense the 3M™ ScotchKote™ 323 cartridges.

UPC Number	3M Model #	Size	Case Qty	Units
00-051135-17569-9	80630000638	50ml cartridge applicator	1	CA
00-051135-32710-4	80630001107	400ml cartridge applicator	1	CA



## Pre-Weld Corrosion Spray

**3M™ Weld-Thru Coating II**

Aerosol coating is designed to be applied to metal surfaces prior to welding in order to provide corrosion protection after welding. Dries fast with minimum spatter. Meets MIR requirements.

UPC Number	3M Model #	Case Qty	Units	Net Weight
00-051131-05917-7	05917	6	EA	13 fl oz



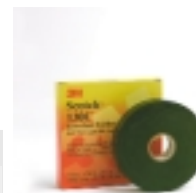
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## Electrical Tape

### Scotch® Linerless Rubber Splicing Tape 130C

Scotch® Linerless Rubber Splicing Tape 130C is high-voltage, insulating, thermally-conductive and self-bonding. Typical applications include primary electrical insulation for splicing all solid dielectric cables through 69kV.

UPC Number	Size	Case Qty	Units
00-054007-41717-0	3/4"x30'	1	RL



### Scotch® Vinyl Electrical Tape Super 88

Scotch® Premium Vinyl Electrical Tape Super 88 offers better mechanical/abrasion resistance, and is thicker for quicker buildup. For professional use, this 8.5 mil tape combines the flexibility of a PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V and protective jacketing. UL Listed and CSA Certified. Excellent resistance to UV rays, abrasion, moisture, copper corrosion, alkalis and acids. Excellent all-weather performance in cold to 0° F (-18° C) or hot to 220° F (105° C).

UPC Number	Size	Case Qty	Units
00-054007-06143-4	3/4"x66'	1	RL



### Scotch® Super 33+™ Vinyl Electrical Tape

Scotch® Super 33+ Electrical Tape a black, 7 mil tape, on a 1" core, combines the flexibility of a PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V. Abrasion, corrosion, and UV-resistant, it makes an excellent protective jacketing for high-voltage cables and wire harnessing. UL Listed and CSA Certified, it resists alkalis and acids and is flame-retardant. Excellent all-weather performance in cold to 0° F (-18° C) or hot to 220° F (105° C).

UPC Number	Size	Case Qty	Units
00-054007-06132-8	3/4"x66'	1	RL



### Scotch® Vinyl Electrical Tape 35

Identify wires, leads, splices and terminations. Abrasion and weather resistant 7 mil tape. Excellent mechanical and electrical insulation properties. Wraps smoothly and holds tightly over a wide range of temperatures. Mark safety areas. UL listed. CSA approved.

UPC Number	Size	Desc	Case Qty	Units
00-054007-10836-8	3/4"x66'	Blue	1	RL
00-054007-10885-6	3/4"x66'	Brown	1	RL
00-054007-00072-3	3/4"x66'	Gray	1	RL
00-054007-10851-1	3/4"x66'	Green	1	RL
00-054007-10869-6	3/4"x66'	Orange	1	RL
00-054007-10810-8	3/4"x66'	Red	1	RL
00-054007-11271-6	3/4"x66'	Violet	1	RL
00-054007-10828-3	3/4"x66'	White	1	RL
00-054007-10844-3	3/4"x66'	Yellow	1	RL



### Scotch® Glass Cloth Tape 69

This is a 7 mil woven-glass cloth tape with a silicone, pressure-sensitive adhesive. UL Recognized 356° F (180° C). Printable. Sold on a 1" core.

UPC Number	Size	Color	Desc	Case Qty	Units
00-054007-09910-9	3/4"x66'	White	Silicone Adhesive	1	RL



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## Bundling

### 3M™ Heavy Duty Cable Tie

Secure wire bundles and harnesses components quickly, without slipping. The self-locking head with heavy double teeth on the one-piece lock mechanism assures the 3M reliability you've come to expect. Will meet a wide range of temperatures from -40° F (-40° C) to 185° F (85° C).



UPC Number	Size	Color	Case Qty	Units
00-054007-06206-6	8"	Black	100	EA

### 3M™ Weather Resistant Cable Ties - Extra Heavy Duty

Designed to meet a wide range of temperatures from -40° F (-40° C) to 185° F (85° C). Molded of one-piece nylon for durability with the locking head designed with a double-tooth pawl for maximum security. Accommodates bundle diameters from 1/8" to 4" and has a tensile strength of 175 lb.



UPC Number	Size	Desc	Case Qty	Units
00-051128-53228-7	24"	Black	100	EA
00-051128-53187-7	48"	Black	100	EA

### 3M™ Weather Resistant Cable Ties - Heavy Duty

Designed to meet a wide range of temperatures from -40° F (-40° C) to 185° F (85° C). Molded of one-piece nylon for durability with the locking head designed with a double-tooth pawl for maximum security. Accommodates bundle diameters from 1/8" to 4" and has a tensile strength of 120 lb.



UPC Number	Size	Desc	Case Qty	Units
00-054007-06207-3	15"	Black	100	EA

## Splice Kits

### 3M™ Cold Shrink Splice Kits

3M™ Splice Kits are designed using the unique cold shrink delivery system developed by 3M. Products are supplied pre-stretched on a removable core for efficiency and ease of installation.

The removable core unwinds after positioning the splice, allowing the product to shrink into position and form a moisture resistant seal. The live memory action of the specially formulated material ensures a permanent, durable environmental seal and insulation.



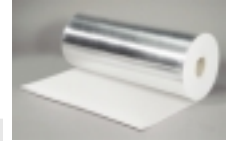
UPC Number	Size	Desc	Case Qty	Units
00-054007-09916-1	2" x 6"	8428-6 Connector Insulator	10	EA
00-054007-09056-4	2" x 12"	8428-12 Connector Insulator	10	EA
00-054007-09931-4	3" x 9"	8429-9 Connector Insulator	10	EA
00-054007-34462-9	3" x 18"	8429-18 Connector Insulator	10	EA
00-054007-42147-4	4" x 9"	8430-9 Connector Insulator	10	EA
00-054007-42388-1	4" x 18"	8430-18 Connector Insulator	10	EA

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## Mats, Tape and Caulk

**3M™ Interam™ E-5 Series Mat**

An endothermic wrap when exposed to high temperatures keeps heat out by releasing chemically-bound water to cool the outer surface. Used to protect structural steel, cable trays and circuits in conduits.



UPC Number	Size	Case Qty	Units
00-051115-16571-9	24.5'x20'	1	RL

**3M™ Interam™ Aluminum Foil Tape T-49**

Designed to seal the cut edges of 3M™ Interam Mats and 3M™ Duct Wrap to complete the total encapsulation. 3-mil aluminum foil. Acrylic adhesive performs in high temperatures.



UPC Number	Size	Case Qty	Units
00-051115-02240-1	4"x180'	2	RL

**3M™ Fire Barrier CP 25WB+ Caulk**

For sealing around metal and small plastic pipes in both concrete or gypsum walls. Prevents both fire and smoke escaping to other areas in a building. Up to 4-hour fire rating in fire-rated assemblies.



UPC Number	Size	Color	Desc	Case Qty	Units
00-051115-11641-4	27 oz	Red-Brown	Cartridge	6	CQ

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Bandages

**Nexcare™ Waterproof Bandages**

Superior waterproof protection. Adhesive seals around pad to provide an optimal healing environment that promotes healing and helps prevent infection.



UPC Number	Size	Case Qty	Units
00-051131-97737-2	20 ct., two sizes	24	EA

Repellent

**3M™ Ultrathon Insect Repellent**

Unique, time-release technology allows you to enjoy the outdoors longer. Provides lasting protection — up to eight hours against mosquitoes, gnats, chiggers, biting flies and ticks. Helps reduce the risk of contracting West Nile Virus and Lyme Disease.



UPC Number	Size	Desc	Case Qty	Units
00-051131-67442-4	2 oz	Lotion	12	EA
00-051131-67777-7	6 oz	Aerosol	6	EA

Hot/Cold Pack

**Nexcare™ Reusable Cold/Hot Pack**

Dual Purpose – flexible ice or soothing heat. Includes a protective cover with elastic strip to secure pack in place.



UPC Number	Size	Case Qty	Units
00-051131-66688-7	4"x10"	12	BX

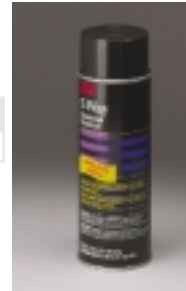
**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

## Lubricant

**3M™ 5-Way Penetrant**

Multi-purpose product that is effective as a demoisurant – displaces moisture and “dries out” electrical apparatus.

UPC Number	Size	Case Qty	Units	Net Weight
00-021200-21305-2	24 fl oz	12	CN	16.8 oz

**3M™ Brake Lube/Anti-Seize**

Blend of fine, particle-size metals dispersed in a synthetic grease, designed to withstand very high temperatures and extreme pressures. It is particularly effective for use on bolts both for assembly and disassembly and where metal parts rub together.

UPC Number	Size	Case Qty	Units
00-051135-08945-3	9 oz	6	CN

**3M™ Silicone Lubricant (Dry Type)**

High-quality silicone lubricant eliminates rubber squeaks and prevents sticking. Contains no petroleum oils to stain fabrics. Will not freeze at -28° F (-33.3° C). Will not degrade at 350° F (176.6° C). Seals out moisture.

UPC Number	Size	Case Qty	Units
00-051135-08897-5	8 oz	12	CN

**3M™ Silicone Lubricant Plus (Wet Type)**

A high solids, high viscosity aerosol lubricant designed for lubricating moving parts, eliminating squeaks caused by friction; protecting against rust and corrosion; sealing out moisture; preserving plastics, rubber, leather; etc.

UPC Number	Size	Case Qty	Units
00-051135-08877-7	9 oz	12	CN



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### 3M™ Safety-Walk™ Cushion Matting 5100

Rigid vinyl Z-web construction provides firm support and allows cart traffic for a multifunctional work area. Available in 3' widths by 2' to 30' lengths in 1' increments. Glued-on edging is available.



UPC Number	3M Model #	Size	Color	Case Qty	Units
50-048011-20229-2	5100	3'x5'	Ebony	1	CA
50-048011-20231-5	5100	3'x10'	Ebony	1	CA

### 3M™ Safety-Walk™ Cushion Matting 5270E

Fatigue-resistant matting with integral edging. 3 and 4 custom lengths available.



UPC Number	3M Model #	Size	Color	Case Qty	Units
00-048011-55949-0	5270E	2'x3'	Black	1	CA
00-048011-55945-2	5270E	3'x5'	Black	1	CA
00-048011-55947-6	5270E	3'x10'	Black	1	CA
00-048011-55948-3	5270E	3'x20'	Black	1	CA
00-048011-55946-9	5270E	4'x6'	Black	1	CA
00-048011-55921-6	5270E	4'x20'	Black	1	CA

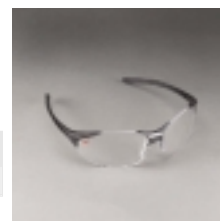
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## Eye Protection

### 3M™ Protective Eyewear 1750/37113(AAD)

Stylish safety eyewear with a contemporary appearance. Lightweight. Comfortable fit afforded by gel-like nose piece and soft temples. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003 as high impact protectors.

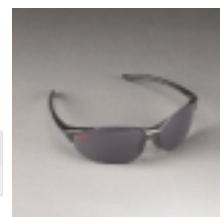
UPC Number	3M Model #	Color	Case Qty	Units
50-051131-37113-7	1750	Gray/Clear	24	CA



### 3M™ Protective Eyewear 1751/37114(AAD)

Stylish safety eyewear with a contemporary appearance. Lightweight. Comfortable fit afforded by gel-like nose piece and soft temples. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003 as high impact protectors.

UPC Number	3M Model #	Color	Case Qty	Units
50-051131-37114-4	1751	Gray/Smoke	24	CA



### 3M™ Protective Eyewear 1752

Stylish safety eyewear with a contemporary appearance. Lightweight. Comfortable fit afforded by gel-like nose piece and soft temples. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003 as high impact protectors.

UPC Number	3M Model #	Color	Case Qty	Units
50-051131-37115-1	1752	Blue/Mirrored	24	CA



### 3M™ Protective Eyewear 1760/37116(AAD)

Stylish safety eyewear with a contemporary appearance. Lightweight. Comfortable fit afforded by a soft rubber nose piece with rubber tips. Polycarbonate lens offers 99% UV protection, and has anti-scratch coating. Meets ANSI Z87.1-2003 as high impact protectors.

UPC Number	3M Model #	Color	Case Qty	Units
50-051131-37116-8	1760	Clear/Clear	24	CA



### 3M™ Safety Goggles 1621, Splash Proof

Meets the requirements of ANSI Z87.1-2003 as high impact protectors. Provides side protection. Hard-coated, polycarbonate lenses offer 99% UV protection. Helps protect against chemical splashes. Pliable vinyl frames provide a comfortable fit. Indirect vents for air flow.

UPC Number	3M Model #	Color	Case Qty	Units
50-051131-98955-4	4011	Clear	144	CA



## Detection, Single Air Monitors and Gas Detectors

### 3M™ Organic Vapor Monitor 3500

Passive diffusion personal air sampling monitor for measuring certain airborne organic vapor concentrations.

UPC Number	3M Model #	Case Qty	Units
50-021200-13655-4	70070032142	10	CA



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## Detection, Single Air Monitors and Gas Detectors, cont'd

### 3M™ Organic Vapor Monitor 3510 with Prepaid Analysis

This monitor uses a single charcoal sorbent wafer for collecting organic vapors. Accuracy of +/-25% at a 95% confidence level for many workplace contaminants. Includes prepaid analysis.

UPC Number	3M Model #	Case Qty	Units
50-021200-17309-2	70070064855	5	CA



### 3M™ Organic Vapor Monitor 3520 with Backup Section

This monitor is suited for compounds for which activated carbon shows limited capacity. Accuracy of +/-25% at a 95% confidence level for many workplace contaminants. Analysis not included. It uses the proven scientific principle of diffusion, which is the gradual mixing of molecules of two or more substances. Primary and back-up sorbent pads are included for sampling demanding environments.

UPC Number	3M Model #	Case Qty	Units
50-021200-16952-1	70070061992	5	CA



### 3M™ Organic Vapor Monitor 3530

This monitor is suited for compounds for which activated carbon shows limited capacity. Accuracy of +/-25% at a 95% confidence level for many workplace contaminants. Includes prepaid analysis.

UPC Number	3M Model #	Case Qty	Units
50-051138-28984-8	70070405678	5	CA



### 3M™ Single Gas Detector 110-495-100, Oxygen

With its compact size, proven effectiveness and competitive price, the 3M™ 110 Oxygen Single Gas Detector helps to detect Oxygen deficiency or enrichment. Once activated, the detector is on 24/7 for the life of the unit.

UPC Number	3M Model #	Case Qty	Units
00-051131-98566-7	70071402039	1	CA



### 3M™ Single Gas Detector 110-495-101, Carbon Monoxide

With its compact size, proven effectiveness and competitive price, the 3M™ 110 Detector provides detection of Carbon Monoxide gas with an alarm set point of 35ppm. Once activated, the detector is on 24/7 for the life of the unit.

UPC Number	3M Model #	Case Qty	Units
00-051131-98567-4	70071402047	1	CA



### 3M™ Single Gas Detector 110-495-101-XL, Carbon Monoxide

Offers ease of use with extra flexibility and lifespan features. The 110XL model can be calibrated, offers TWA and STEL alarm set points.

UPC Number	3M Model #	Case Qty	Units
00-051131-98570-4	70071402070	1	CA



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## Detection, Single Air Monitors and Gas Detectors, cont'd

### 3M™ Single Gas Detector 110-495-102, Hydrogen Sulfide

With its compact size, proven effectiveness and competitive price, the 3M™ 110 Single Gas Detector provides detection of Hydrogen Sulfide gas. Once activated, the detector is on 24/7 for the life of the unit.

UPC Number	3M Model #	Case Qty	Units
00-051131-98568-1	70071402054	1	CA



### 3M™ Single Gas Detector 110-495-102-XL, Hydrogen Sulfide

Offers ease of use with extra flexibility and lifespan features. The 110XL model can be calibrated. Offers TWA and STEL alarm set points.

UPC Number	3M Model #	Case Qty	Units
00-051131-98571-1	70071462088	1	CA



### 3M™ Single Gas Detector 450-450-104-A, Ammonia

A low maintenance portable single-gas detector equipped with a standard two-year warranty on electronics and a one-year warranty on the ammonia sensor.

UPC Number	3M Model #	Case Qty	Units
00-051131-98576-6	70071402138	1	CA



### 3M™ Single Gas Detector 450-450-105, Sulfur Dioxide

A low maintenance portable single-gas detector equipped with a standard two-year warranty on electronics and a one-year warranty on the sulfur dioxide sensor.

UPC Number	3M Model #	Case Qty	Units
00-051131-98737-1	70071403946	1	CA



## Detection, Multi-Gas Detectors

### 3M™ Multi-Gas 4-Sensor Detector 740-100-400, Methane

Detects potentially hazardous levels of carbon monoxide, hydrogen sulfide, oxygen and combustible (%LEL) gases. CSA approved.

UPC Number	3M Model #	Case Qty	Units
00-051131-98583-4	70071402203	1	CA



### 3M™ Multi-Gas 5-Sensor Detector 950-R111-MABCQ

950 detector is equipped with an internal pump, data logging and nickel metal hydride rechargeable battery pack. Installed smart sensors includes oxygen, carbon monoxide, hydrogen sulfide, explosive (10% LEL pentane) and PID 10.6eV.

UPC Number	3M Model #	Case Qty	Units
00-051131-98611-4	70071402484	1	CA



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## Detection, Multi-Gas Detectors, cont'd

### 3M™ Multi-Gas 4-Sensor Detector 950-R111-MABCZ

950 detector is equipped with an internal pump, data logging and nickel metal hydride rechargeable battery pack. Installed smart sensors includes oxygen, carbon monoxide, hydrogen sulfide and explosive (10% LEL methane).

UPC Number	3M Model #	Case Qty	Units
00-051131-98608-4	70071402450	1	CA



## Head and Face Protection

### 3M™ Omega II™ Hard Hats

Features a 6-point suspension along with a lightweight, well-balanced design to enhance worker acceptance. Available with either a slide or ratchet head suspension position. Meets ANSI Z89.1-2003, Type I, Class C, E and G requirements.

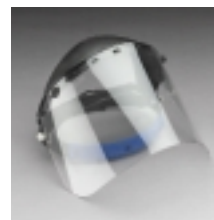
UPC Number	3M Model Number	Color	Desc	Case Qty	Units
50-051138-76813-8	1911	White	Ratchet Suspension	30	CA
50-051138-76814-5	1912	Yellow	Ratchet Suspension	30	CA
50-051138-76815-2	1913	Orange	Ratchet Suspension	30	CA
50-051138-76816-9	1914	N/A	Replacement Suspension	10	CA



### 3M™ Faceshield Kit 1631/37106 (AAD)

This faceshield helps provide additional protection of the face and eyes when protective eyewear is being worn. Meets the requirements of ANSI Z87.1-2003 for high impact. Must be used in combination with safety glasses or goggles where protective eyewear is required.

UPC Number	3M Model #	Case Qty	Units
50-051131-37106-9	70070891638	5	CA



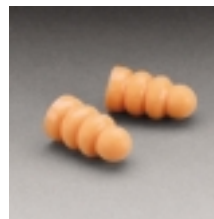
## Hearing Protection

### 3M™ Soft Foam Ear Plug 1120

Soft and flexible earplug. Flexible design allows it to conform to the wearer's ear canal, enhancing comfort. Recommended for moderate to high noise (up to 100 dBA TWA). Noise Reduction Rating: 28dB\*.

\* The NRR may overestimate the protection provided during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

UPC Number	3M Model #	Case Qty	Units
50-051131-37062-8	1120	1000	CA

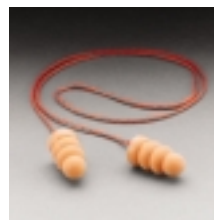


### 3M™ Soft Foam Ear Plug 1130, Corded

Soft and flexible earplug. Flexible design allows it to conform to the wearer's ear canal, enhancing comfort. Soft braided cord for convenience. Noise Reduction Rating: 28dB\*.

\* The NRR may overestimate the protection provided during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

UPC Number	3M Model #	Case Qty	Units
50-051131-37063-5	1130	500	CA



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## Hearing Protection, cont'd

### 3M™ Three-Position Ear Muff 1427

A combination of outstanding performance with remarkable versatility. The rotating headband may be worn in three different positions to enhance comfort and convenience. Recommended for moderate to high noise (up to 100 dBA TWA). NRR 27dB when worn over and behind the head and 26dB when worn under the chin.

\* The NRR may overestimate the protection provided during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

UPC Number	3M Model #	Case Qty	Units
50-051138-76981-4	1427	20	CA



### 3M™ Reusable Ear Plug 1290/37184 (AAD) with Braided Cord

New softer material, 3 flanges, translucent blue color, finger grip design, one size, soft braided cord. Recommended for moderate noise (up to 95 dBA TWA).

\* The NRR may overestimate the protection provided during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

UPC Number	3M Model #	Case Qty	Units
50-051131-37184-7	1290/37184	500	CA



### 3M™ Reusable Ear Plug 1292/37186 (AAD) with Plastic Cord

New softer material provides comfort and helps to extend wear time. Translucent blue color appeals to a range of users. Finger grip design improves ease of insertion. Plastic cord helps prevent loss and ensures product is available when needed. Ideal for protection against noise arising from a wide range of workplace applications including metal processing, construction, chemical and pharmaceutical manufacturing, light engineering, automotive, textile manufacturing, printing and woodworking. Does not contain silicone. Recommended for moderate noise (up to 95 dBA TWA). Noise Reduction Rating (NRR): 25dB.

\* The NRR may overestimate the protection provided during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

UPC Number	3M Model #	Case Qty	Units
50-051131-37186-1	1292/37186	500	CA



#### WARNING

#### EYE AND FACE PROTECTION 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 personal injury, including blindness or death.** For proper use, see supervisor, read instructions and warnings on the package, or call 3M OH&ESD Technical Service in the U.S.A at 1-800-243-4630. In Canada, call 1-800-267-4414.



#### WARNING

#### DETECTION PRODUCTS WARNING

This instrument helps monitor for the presence and concentration level of certain specified airborne gases. Misuse may produce an inaccurate reading which means that higher levels of the gas being monitored may be present and could result in overexposure and **cause sickness or death.** For instruments with an oxygen sensor installed, misuse may produce an inaccurate reading where lower or higher levels of oxygen may be present and **cause sickness or death.**

Each person using this equipment must read and understand the information in the *User Instructions* before use. Use of this equipment by untrained or unqualified persons, or use that is not in accordance with the *User Instructions*, may adversely affect product performance and **result in sickness or death.** For proper use, see supervisor or *User Instructions*, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call at 1-800-267-4414.



#### WARNING

#### HARD HAT WARNING

3M™ Hard Hats provide limited protection only. **Misuse or failure to follow warnings and instructions may result in serious personal injury or death.** For proper use, see supervisor, read instructions and warnings on the package, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.



#### WARNING

#### HEARING PROTECTION PRODUCTS WARNING

These hearing protection products help prevent hearing loss against certain noises. To provide proper protection, the hearing protector should be (1) suitable for the job, (2) fitted properly in/on the ear, (3) worn during all times of exposure to noise, and (4) replaced when damaged or otherwise necessary. **Failure to fit and use hearing protectors according to these instructions will reduce their effectiveness. Failure to wear hearing protectors 100% of the time that you are exposed to hazardous noise may dramatically increase your risk of developing hearing loss.** If there is any drainage from your ear or if you have a hole in your eardrum, consult your physician before use. Keep ear plugs away from infants and small children. They may get caught in a child's windpipe. For proper use, see supervisor, instructions and warnings, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

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## Filtering Facepiece Respirators

### 3M™ Particulate Respirator 8210, N95

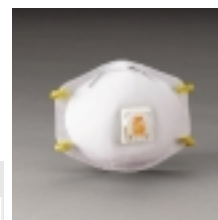
Helps provide worker protection against certain non-oil based particles. Comfortable, easy-to-use and promotes greater worker acceptance increasing wear time. Features 3M's patented filter media, nose foam and adjustable noseclip to help provide a secure seal and help reduce eyewear fogging. Workplace applications: woodworking, grinding, sanding, sweeping, bagging and other dusty operations.



UPC Number	3M Model #	Case Qty	Units
50-051138-46457-3	8210	160	CA

### 3M™ Particulate Respirator 8511, N95

Ideally suited for work settings that involve heat and humidity. Helps reduce exposure to dust from sanding on particle board, drywall, non-lead paints and fiberglass insulation dust. Features the 3M™ Cool Flow™ Exhalation Valve, which offers easy exhalation and cool, dry comfort. M-noseclip helps provide a secure seal and helps reduce eyewear fogging.



UPC Number	3M Model #	Case Qty	Units
50-051138-54343-8	8511	80	CA

### 3M™ Particulate Respirator with Nuisance Level\* Acid Gas Relief 8246, R95

Helps provide protection against certain oil and non-oil based particles. 3M recommended for relief against nuisance levels\* of acid gases such as sulphur dioxide, hydrogen fluoride, and/or chlorine. Suggested applications: glass etching, chemical processing, paper processing, aluminum smelting and brewing operations. Its lightweight construction promotes greater worker comfort and contributes to increased wear time.

\* Nuisance level refers to concentrations not exceeding OSHA PEL or other applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against acid gases.



UPC Number	3M Model #	Case Qty	Units
50-051138-54357-5	8246	120	CA

### 3M™ Particulate Respirator with Nuisance Level\* Organic Vapor Relief 8247, R95

Designed to help provide comfortable protection against certain oil and non-oil based particles. 3M recommended for relief against nuisance levels\* of organic vapor such as solvents, degreasers and resins. Suggested applications include foundry operations, lab settings, agriculture, petrochemical manufacturing and undercoating. Its lightweight construction promotes greater worker comfort and contributes to increased wear time.

\* Nuisance level refers to concentrations not exceeding OSHA PEL or other applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against organic vapors.



UPC Number	3M Model #	Case Qty	Units
50-051138-54358-2	8247	120	CA

### 3M™ Particulate Welding Respirator 8515, N95

Is designed to help provide comfortable, reliable worker protection for applications such as welding, soldering, cutting, grinding and sanding. Workplace applications include welding, brazing, soldering, torch cutting and metal pouring, as well as grinding, sanding, sweeping, bagging and other dusty/hot operations. It features the 3M™ Cool Flow™ Exhalation Valve, adjustable M-noseclip and braided headband to help provide a custom fit and secure seal.



UPC Number	3M Model #	Case Qty	Units
50-051131-07189-1	70070890028	80	CA

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## Filtering Facepiece Respirators, cont'd

### 3M™ Particulate Respirator 8214, N95 with Faceseal and Nuisance Level Organic Vapor Relief

This respirator is designed for applications such as welding, soldering and other operations in which metal fumes may be present, including those present with ozone\* and nuisance levels\*\* of organic vapors. It can also be used in grinding, sanding, sweeping, bagging and other dusty/hot operations.

UPC Number	3M Model #	Case Qty	Units
50-051138-66192-7	70070799534	80	CA

\* 3M recommended for ozone protection up to 10 times the OSHA PEL or applicable government occupational exposure limits, whichever is lower. **Not NIOSH approved for use against ozone.**

\*\* 3M recommended for relief against nuisance levels of organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against organic vapors.



## Elastomeric Respirators

### 3M™ Organic Vapor/Acid Gas Respirator Assembly

3M™ Half Facepiece Respirators 5000 Series have permanently attached cartridges for ease of use and little or no maintenance. NIOSH-approved against certain organic vapors and acid gases. Use in a variety of applications, including pharmaceutical, petrochemical, utilities, aluminum reduction, chemical manufacturing, laboratories and pulp and paper. When properly fitted, helps provide respiratory protection from certain organic vapors, chlorine, hydrogen chloride, sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride at concentrations up to 10 times the Permissible Exposure Limit (PEL). Not for use in environments that are Immediately Dangerous to Life or Health (IDLH).

UPC Number	3M Model #	Size	Case Qty	Units
50-051138-21573-1	5203	Medium	12	CA
50-051138-21579-3	5303	Large	12	CA



### 3M™ Half Facepiece 6000 Series

3M™ Half Facepiece Respirators 6000 Series are low-maintenance and allow the use of replaceable cartridges and filters. Use with 3M™ Filters 2000 Series; 3M™ Filter 7093, P100; and 3M™ Cartridges 6000 Series against a variety of gases, vapors and particulate hazards according to NIOSH approvals. When properly fitted, helps provide respiratory protection up to 10 times the Permissible Exposure Limit (PEL). Do not use in atmospheres that are Immediately Dangerous to Life or Health (IDLH).

UPC Number	3M Model #	Size	Case Qty	Units
50-051131-07024-5	6100	Small	24	CA
50-051131-07025-2	6200	Medium	24	CA
50-051131-07026-9	6300	Large	24	CA



### 3M™ Half Facepiece 7500 Series, Ultimate Reusable

This half facepiece was designed with the wearer in mind. Its soft sealing surface, along with a uniquely designed, 3M™ Cool Flow™ Exhalation Valve, enhances wearer comfort and face fit. It's made from a durable silicone and can be used with any of the 3M™ Filter and Cartridge Series 2000, 6000 and 7093 against a variety of gases, vapors and particulate hazards, according to NIOSH approvals. When properly fitted, helps provide respiratory protection up to 10 times the Permissible Exposure Limit (PEL). Do not use in atmospheres that are Immediately Dangerous to Life or Health (IDLH).

UPC Number	3M Model #	Size	Case Qty	Units
50-051131-37081-9	7501/37081	Small	10	CA
50-051131-37082-6	7502/37082	Medium	10	CA
50-051131-37083-3	7503/37083	Large	10	CA



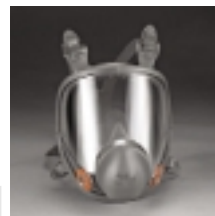
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## Elastomeric Respirators, cont'd

### 3M™ Full Facepiece, 6000 Series

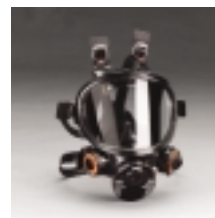
3M™ Full Facepiece Respirators 6000 Series are low-maintenance and allow the use of replaceable cartridges and filters. Use with 3M™ Filters 2000 Series, 3M™ Filter 7093, P100, 3M™ Cartridges 6000 Series or 3M™ Dual Airline Systems against a variety of gases, vapors and particulate hazards according to NIOSH approvals. Full Facepieces must be quantitatively fit-tested to claim assigned protection factor above 10 in negative pressure mode.



UPC Number	3M Model #	Size	Case Qty	Units
50-051138-54146-5	6800	Medium	4	CA

### 3M™ Full Facepiece 7800S Series, Silicone, Ultimate Reusable

3M™ Full Facepiece Respirators are made of silicone for increased comfort and durability and can accommodate many different cartridges and filters. Use with 3M™ Filters 2000 Series, 3M™ Cartridges 6000 Series, 3M™ Filters 7093 or a variety of powered and supplied air systems against a variety of gases, vapors and particulates according to NIOSH approvals. Not for use with 3M™ SCBA systems. Use 3M™ Full Facepieces 7800S-BA or 7800S-AM with appropriate SCBA systems. Full Facepieces must be quantitatively fit-tested to claim assigned protection factor above 10 in negative pressure mode.



UPC Number	3M Model #	Size	Case Qty	Units
00-051138-54258-0	7800S-M	Medium	1	CA

## Filters and Cartridges

### 3M™ Particulate Filter 2097, P100

NIOSH approved for environments containing certain oil and non-oil based particles. 3M recommended for relief from nuisance levels of organic vapors. (Nuisance level organic vapor refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower). 3M recommended for ozone protection up to 10 times the OSHA PEL **(Not NIOSH certified for use against ozone)**.



UPC Number	3M Model #	Case Qty	Units
50-051131-07184-6	2097	100	CA

### 3M™ Particulate Filter 7093B, P100

NIOSH approved for environments containing certain oil and non-oil based particles. Use with 3M™ Respirators 5000 Series or 3M™ Cartridges 6000 Series with 3M™ Adapter 502, 3M™ Facepieces 6000 Series, or 3M™ Facepieces 7000 Series with bayonet filter holders.



UPC Number	3M Model #	Case Qty	Units
50-051131-52706-0	7093B	144	CA

### 3M™ Organic Vapor Cartridge 6001

Use with 3M™ Half and Full Facepieces 6000 Series and 3M™ Half 7500 Series and Full Facepiece 7800 Series with bayonet-style cartridge holders. NIOSH-approved against certain organic vapors. Use in a variety of workplace applications, including petrochemical, chemical manufacturing, construction, transportation and electronics.



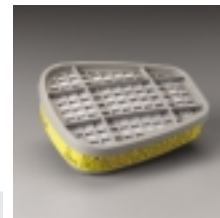
UPC Number	3M Model #	Case Qty	Units
50-051138-21674-5	6001	60	CA

**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

### 3M™ Organic Vapor/Acid Gas Cartridge 6003

Use with 3M™ Half and Full Facepieces 6000 Series and 3M™ Half Facepiece 7500 Series and Full 7800 Series with bayonet-style cartridge holders. NIOSH-approved against certain organic vapors and chlorine, hydrogen chloride, sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride. Use in a variety of applications, including pharmaceutical, petrochemical, utilities, aluminum reduction, chemical manufacturing, laboratories and pulp and paper.

UPC Number	3M Model #	Case Qty	Units
50-051131-07047-4	6003	60	CA



### 3M™ Multi Gas/Vapor Cartridge 6006

Use with 3M™ Half and Full Facepieces 6000 Series and 3M™ Half Facepiece 7500 Series and Full Facepiece 7800 Series with bayonet-style cartridge holders. NIOSH-approved against certain organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide (escape only), ammonia, methylamine, formaldehyde or hydrogen fluoride. Use in a variety of applications, including petrochemical and chemical processing, utilities, pharmaceuticals, mining and primary metals. OSHA requires that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.

UPC Number	3M Model #	Case Qty	Units
50-051138-54186-1	6006	60	CA



### 3M™ Cartridge/Filter Organic Vapor/P100, 60921

Use with 3M™ Half and Full Facepieces 6000 Series, 3M™ Half Facepiece 7500 Series and Full Facepiece 7800 Series with bayonet-style cartridge holders. NIOSH-approved against certain organic vapors and certain oil and non-oil based particles. Use in a variety of applications including petrochemical, construction, transportation and chemical manufacturing.

UPC Number	3M Model #	Case Qty	Units
50-051138-46465-8	60921	60	CA



### 3M™ Cartridge/Filter Organic Vapor/Acid Gas/ P100, 60923

Use with 3M™ Half and Full Facepieces 6000 Series, 3M™ Half Facepiece 7500 Series and Full Facepiece 7800 Series with bayonet-style cartridge holders. NIOSH-approved against certain organic vapors, acid gases and certain oil and non-oil based particles. Use in a variety of applications including petrochemical, laboratories, pharmaceutical and chemical manufacturing. When properly fitted, helps provide respiratory protection from certain organic vapors, chlorine, hydrogen chloride, sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride and particulates.

UPC Number	3M Model #	Case Qty	Units
50-051138-46467-2	60923	60	CA



### 3M™ Cartridge/Filter Multi Gas/Vapor/P100, 60926

Use with 3M™ Half and Full Facepieces 6000 Series, 3M™ Half Facepiece 7500 Series and Full Facepiece 7800 Series with bayonet-style cartridge holders. NIOSH-approved against certain organic vapors, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide (escape only), ammonia, methylamine, formaldehyde or hydrogen fluoride and certain oil and non-oil based particles. Use in a variety of applications, including petrochemical and chemical processing, utilities, pharmaceuticals, mining and primary metals. OSHA requires that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.

UPC Number	3M Model #	Case Qty	Units
50-051138-54187-8	60926	60	CA



**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

## Filters and Cartridges, cont'd

### 3M™ Adapter 502

Use to attach 3M™ Particulate Filters 2000 Series and 7093 to the 3M™ Respirators 5000 Series and 3M™ Cartridges 6000 Series for a wide variety of applications.

UPC Number	3M Model #	Case Qty	Units
50-051138-21511-3	502	100	CA



## Respiratory Wipes

### 3M™ Respirator Cleaning Wipe 504

Used to clean 3M™ Elastomeric Facepiece Respirators. Individually packed 8 in x 10 in towelettes are alcohol free and will not damage the facepiece materials.

UPC Number	3M Model #	Case Qty	Units
50-051131-07065-8	70070317139	500	CA



## Supplied Air Systems

When used with the 6000 Series Full Facepiece or the 7800S Series Full Facepiece, these kits and hoses constitute a complete NIOSH approved system.

### 3M™ Dual Airline Back-Mounted Adapter Kit SA-2000

Includes 3M™ Breathing Tube SA-2500, Waist Belt GVP-127 and valve SA-1009. This kit, with facepiece and air hose, makes a 3M™ Dual Airline Supplied Air Respirator.

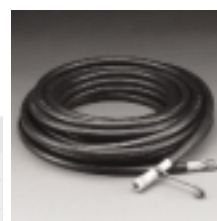
UPC Number	3M Model #	Case Qty	Units
00-051138-46394-6	SA-2000	1	CA



### 3M™ Supplied Air Hose W-9435-25, 50 and 100

This hose is available in 25, 50 and 100 foot increments and has a 3/8 inch inner diameter. It is equipped with 1/4 inch FPT Industrial Interchange fittings. You may not combine 25 or 50 foot lengths of the 3M™ Supplied Air Hose W-9435.

UPC Number	3M Model #	Case Qty	Units
00-051131-07010-3	W-9435-25	1	EA
00-051131-07011-0	W-9435-50	1	EA
00-051131-07012-7	W-9435-100	1	EA



### 3M™ Combination Dual Airline Back-Mounted Adapter Kit SA-2100, High Pressure

This kit delivers air to both sides of the facepiece for a comfortable and balanced 3M™ Supplied Air Respirator System. The back-mounted arrangement keeps work area open. Includes 3M™ Breathing Tube SA-2600, Belt GVP-127 and Valve SA-1009. This kit with facepiece, filters/cartridges and air hose, makes a 3M™ Combination Dual Airline Supplied Air Respirator.

UPC Number	3M Model #	Size	Case Qty	Units
00-051138-54242-9	SA-2100	High Pressure	1	CA



**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

Welding

**3M™ Speedglas™ Utility Helmet with Auto-Darkening Filter, 04-0014-10U/37119(AAD)\***

An entry-level auto-darkening filter and helmet especially designed for MIG (GMAW) and stick (SMAW) welding only. Perfect for the part-time welder, as well as for maintenance welding and any other MIG or stick project.

\* Welding can create a variety of harmful fumes and gases. When engineering controls are impractical, respirators may be required to help reduce exposure to these airborne welding contaminants.

UPC Number	3M Model #	Desc	Case Qty	Units
00-051131-37119-4	04-0014-10U/37119	Shade 10	1	EA



**3M™ Speedglas™ FlexView Helmet with Side Windows and Auto-Darkening Filter 9002X, 04-0016-21SW\***

The FlexView System spring holds the auto-darkening filter assembly securely on top of the helmet, giving the welder a big, clear view behind the faceshield. The clear faceshield allows for precision grinding and cleaning, and the inspection of newly-completed welds...all with eye and face protection.

\* Welding can create a variety of harmful fumes and gases. When engineering controls are impractical, respirators may be required to help reduce exposure to these airborne welding contaminants.

UPC Number	3M Model #	Case Qty	Units
00-051131-92998-2	04-0016-21SW	1	CA



**3M™ Speedglas™ Helmet 9000 with Auto-Darkening Filter 9002D, 04-0012-15\***

Patented helmet 9000 has four aerodynamically-designed exhaust vents to help reduce “stuffiness”. Helmet is extremely comfortable, weighing only 17.4 ounces (including filter) and has excellent balance. The polyamide nylon construction is heat resistant and extremely durable.

\* Welding can create a variety of harmful fumes and gases. When engineering controls are impractical, respirators may be required to help reduce exposure to these airborne welding contaminants.

UPC Number	3M Model #	Case Qty	Units
00-051131-91990-7	04-0012-15	1	CA



**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

### 3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System with 3M™ Speedglas™ FlexView HWR Headgear and Auto-Darkening Filter 9002X, 16-1101-21

3M™ Adflo™ Powered Air Purifying Respirator (PAPR) for welders. Compact, light-weight system with NiMH battery, high efficiency particulate filter, wide leather belt. 3M™ Speedglas™ FlexView HWR welding respirator headpiece with flip-up welding filter for grinding. Accepts 9000/9002 series ADFs. 3M™ Speedglas™ 9002X, our top-of-the-line auto-darkening filter offers shades 9 through 13 with shade 3 light state. Extra large viewing area. Four-position sensitivity control. Adjustable recovery delay. Solar panel.



UPC Number	3M Model #	Case Qty	Units
00-051131-92576-2	16-1101-21	1	EA

### 3M™ Clip-on Welding Shield Kit 7990

This lightweight, easy to use clip-on welding adapter can be used in conjunction with the 3M™ Full Facepiece 7800S and is approved in all modes of operation as an accessory product. It is compatible with standard 4.5 by 5.25 inch lens. Also can be used with the 3M™ Electronic Lens Assembly 7991/7991-AM. The large viewing area enhances wearer safety.



UPC Number	3M Model #	Case Qty	Units
00-051131-52789-8	70071090149	1	CA

**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.



## WARNING



### PARTICULATE RESPIRATOR WARNING

These respirators help reduce exposure to certain particles. **Misuse may result in sickness or death.** For proper use, the wearer must read and understand User Instructions provided as a part of product's packaging, see supervisor or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414. Time use limitations may apply.

#### Important

Before using these respirators, you must determine the following:

- 1) The type of contaminant(s) for which the respirator is being selected.
- 2) The concentration level of contaminant(s).
- 3) Whether the respirator can be properly fitted on the wearer's face. All respirator instructions, warnings and use and time limitations must also be read and understood by the wearer before use.

Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA29 CFR 1910.134, including training, fit testing and medical evaluation.



## WARNING



### FULL & HALF FACEPIECE RESPIRATOR WARNING

These respirators help reduce exposure to certain airborne contaminants. **Misuse may result in sickness or death.** For proper use, the wearer must read and understand User Instructions provided as a part of product's packaging, see supervisor or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414. Time use limitations may apply.

#### Important

Before using these respirators, you must determine the following:

- 1) The type of contaminant(s) for which the respirator is being selected.
- 2) The concentration level of contaminant(s).
- 3) Whether the respirator can be properly fitted on the wearer's face. All respirator instructions, warnings and use and time limitations must also be read and understood by the wearer before use.

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 personal injury, including blindness or death.** For proper use, see supervisor, read instructions and warnings on the package, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA29 CFR 1910.134, including training, fit testing and medical evaluation.



## WARNING



### POSITIVE PRESSURE RESPIRATORS WARNING

These respirators help reduce exposure to certain airborne contaminants. Use of 3M™ Positive pressure Respirators by untrained or unqualified persons, or use not in accordance with the instructions, may adversely affect product performance and result in **sickness or death.**

Positive pressure respirators are to be used only by qualified persons who are properly trained in their use and maintenance, and only in accordance with their operating and maintenance manuals. For proper use, each person using these products must first read and understand the operator's manual. See supervisor for assistance or call 3M Technical Service at 1-800-243-4630. In Canada, call 3M OH&ESD at 1-800-267-4414.



## WARNING

### WELDING PRODUCTS WARNING

These welding safety products must be used only by qualified persons trained in their use and maintenance and only in strict accordance with and adherence to the detailed instructions and precautionary statements provided in the instruction manual which accompanies each product. **Failure to comply with these instructions could result in sickness, serious bodily injury or death.** For proper use of these products, read user instructions and warnings on the package. See your supervisor, on-site training specialist, industrial hygienist, or 3M Occupational Health and Safety Division (OH&ESD) Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

## Petroleum Sorbents

### 3M™ Petroleum Sorbent Folded P-FL550DD, High Capacity

Easy-to-use for cleaning spills, drips and leaks of oil based fluids. Versatile, can be used in boom, pillow, pad or roll configuration. Dispenses from a carrying/dispenser box in the form of a continuous roll. Less waste, perforated every 16" so you can select the length required. Capacity – 31.5 gallons/case.

UPC Number	3M Model #	Size	Case Qty	Units
50-051138-29141-4	P-FL550DD	5"x50'	3	CA



### 3M™ Petroleum Sorbent Pad HP-156, High Capacity

The highly sorbent pad features a low-profile design so that it can be easily placed in tight areas. Ideal for cleaning up small spills of oil based fluids and wiping down contaminated areas. Capacity – 37.5 gallons/case.

UPC Number	3M Model #	Size	Case Qty	Units
50-051138-28911-4	HP-156	17"x19"	100	CA



### 3M™ Petroleum Sorbent Pad T-151

Conveniently sized pads allow the user to quickly spread sorbent over and in the path of a spill. Pads may also be used on a work surface in anticipation of a spill or as a wipe. Capacity – 43.5 gallons/case.

UPC Number	3M Model #	Size	Case Qty	Units
00-021200-16049-3	T-151	17"x19"	200	CA



### 3M™ Petroleum Sorbent Roll HP-100, High Capacity

Designed to cover large surfaces. Can be easily placed in tight areas. Ideal for cleaning-up small spills and wiping down contaminated areas. Can be cut to desired shape/size. Capacity – 73 gallons/case.

UPC Number	3M Model #	Size	Case Qty	Units
00-051138-21542-2	HP-100	38"x144'	1	CA



### 3M™ Petroleum Sorbent Roll T-100

Sorbent rolls can be cut to cover small areas or laid directly upon open waters, shorelines or discharge streams. In addition, they can be placed on docks, in boats and under leaking machines. Capacity – 84 gallons/case.

UPC Number	3M Model #	Size	Case Qty	Units
00-021200-16047-9	T-100	38"x144'	1	CA



## Maintenance Sorbents

### 3M™ Maintenance Sorbent Folded M-FL550DD, High Capacity

Easy-to-use for cleaning up spills, drips and leaks of non-aggressive maintenance fluids. Versatile, can be used in pillow, pad, roll or boom configuration. Has a scrim on one side to increase strength and help eliminate linting. Dispenses from a carrying/dispenser box in the form of a continuous roll. Less waste, perforated every 16" so you can select the length required. Applications range from maintenance to spill response. Capacity – 31.5 gallons/case.

UPC Number	3M Model #	Size	Case Qty	Units
00-051138-29071-9	M-FL550DD	5"x50'	3	CA



**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.



## Maintenance Sorbents, cont'd

**3M™ Maintenance Sorbent Roll M-RL33150DD, High Capacity**

Covers large surfaces and may be easily cut to desired length and to fit tight corners. Can also be used to cover large spills or as a precaution in areas where large spills may occur. Has a scrim on one side to increase the strength and help eliminate linting. 33" width, perfect for lining drawers, covering workbenches or masking larger areas from mist and overspray.



UPC Number	3M Model #	Size	Case Qty	Units
00-051138-29070-2	M-RL33150DD	33"x150'	1	CA

**WARNING****SORBENT WARNING**

**Failure to properly handle and dispose of sorbents contaminated by hazardous materials can result in serious physical injury or death and/or environmental harm.**

For proper handling, consult the Material Safety Data Sheet for the material absorbed. For applicable safety and health standards, contact your supervisor or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414. To reduce the risk of serious physical injury or death, always use appropriate personal protective equipment for handling the material to be absorbed. Transportation and disposal of spent sorbents must comply with all applicable federal, state and local laws and regulations.

**Caution:** Sorbents may become slippery when used on flooring. Do not walk on sorbents or place in high traffic areas.

**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.



## Painters' Masking Tape

**Scotch-Blue™ Painter's Tape for Multi-Surfaces 2090**

This tape removes cleanly without adhesive transfer or surface damage for up to 14 days, even in direct sunlight. It is a medium adhesion tape that is ideal for painted walls and trim, woodwork, glass and metal.



UPC Number	Size	Color	Desc	Case Qty	Units
00-051115-06819-5	1½"x60yds	Blue	Bulk	24	RL
00-051115-06910-9	3"x60yds	Blue	Bulk	16	RL

**Scotch® Performance Masking Tape 2364**

New proprietary 3M technology gives this strong, smooth crepe paper masking tape good holding power in a broad range of temperatures up to 300° F (149° C). Clean removal from many surfaces make this an excellent tape for many industrial applications.



UPC Number	Size	Case Qty	Units
00-021200-43352-8	24mmx55m	36	RL
00-021200-43354-2	48mmx55m	24	RL

## General Masking Tape

**3M™ Paper Tape 200**

A utility purpose paper tape for holding, bundling, sealing, non-critical masking and a vast number of other jobs where pressure sensitive tape is needed. Should not be subjected to outdoor or UV exposure. Typically used at room temperature but will function up to 200° F (93° C).



UPC Number	Size	Color	Case Qty	Units
00-048011-53465-7	24mmx55m	Natural	36	RL
00-048011-53466-4	48mmx55m	Natural	24	RL

**3M™ Paper Masking Tape 2214**

3M Light Duty Crepe Masking Tape for holding, sealing and non-critical masking applications.



UPC Number	Size	Color	Case Qty	Units
00-021200-26075-9	24mmx55m	Natural	36	RL
00-021200-26077-3	48mmx55m	Natural	24	RL

**3M™ Paper Masking Tape 2209**

A general purpose paper tape for holding, bundling, sealing, non-critical masking and a vast number of other jobs where a pressure-sensitive tape is needed.



UPC Number	Size	Color	Case Qty	Units
00-051115-24804-7	24mmx55m	Natural	36	RL
00-051115-24807-8	48mmx55m	Natural	24	RL

**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

## Duct Tape

**3M™ Duct Tape 3900**

3M™ Duct Tape 3900 is an all-around performer for maintenance jobs throughout a facility. Natural rubber adhesive grips on contact to many surfaces. Waterproof polycoated cloth backing resists wear, abrasion, moisture and weathering.

UPC Number	Size	Color	Case Qty	Units
00-051131-06976-3	48mmx54.8m	Silver	24	RL

**3M™ Duct Tape 3939**

Typical physical and performance characteristics include; thickness: 9.0 mil, adhesion to steel: 55 oz/in width, tensile strength: 25 lb/in width, elongation at break: 17%, temperature use range: Up to 200° F (93° C) for one hour.

UPC Number	Size	Color	Case Qty	Units
00-021200-85561-0	24mmx54.8m	Silver	36	RL
00-051131-06975-6	48mmx54.8m	Silver	24	RL

**3M™ Duct Tape 6969**

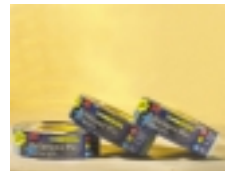
Typical physical and performance characteristics include; thickness: 10.7 mil, adhesion to steel: 62 oz/in, tensile strength: 32 lb/in width, elongation at break: 16%, temperature use range: up to 200° F (93° C) for one hour.

UPC Number	Size	Color	Case Qty	Units
00-051131-06969-5	48mmx54.8m	Silver	24	RL

**3M™ Performance Plus Duct Tape 8979**

8979 is designed for both permanent and temporary applications both indoors and outdoors. 8979 provides clean removal with little or no adhesive residue from most opaque surfaces up to 6 months after application. It offers sunlight UV resistance for up to 1 year without the backing deteriorating or delaminating. Typical physical and performance characteristics include: thickness, 13 mils; adhesion to steel, 55 oz. in width; tensile strength, 36 lbs. in width; elongation at break, 21%; clean removal indoors and outdoors for 6 months; temperature use range, up to 200° F (93° C).

UPC Number	Size	Color	Case Qty	Units
00-048011-53922-5	24mmx54.8m	Slate Blue	48	RL
00-048011-53851-8	48mmx22.8m	Slate Blue	12	RL



## Bundling

**Scotch® Filament Tape 897**

High performance polypropylene backing reinforced with glass filaments. Typical 170 lb/inch width tensile strength for light- to medium-duty bundling, reinforcing and palletizing. Good initial and long-term adhesion with good shear strength.

UPC Number	Size	Color	Case Qty	Units
00-021200-86525-1	24mmx55m	Clear	36	RL
00-021200-86526-8	48mmx55m	Clear	24	RL



**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.

## Bundling, cont'd

**Scotch® Filament Tape 893**

Polypropylene backing is easy to handle and dispense. Provides excellent resistance to nicks, abrasion and moisture. Specially formulated hot melt adhesive provides good balance of adhesion properties. Good initial and long-term adhesion, and high shear strength to package surfaces.



UPC Number	Size	Color	Case Qty	Units
00-051131-06939-8	24mmx55m	Clear	36	RL
00-021200-39846-9	48mmx55m	Clear	24	RL

**Tartan™ Filament Tape 8934**

Transparent polypropylene film backing reinforced with glass yarn filaments. Light-duty tensile strength, nick resistance, abrasion resistance and good handling for utility bundling, reinforcing and pallet unitizing applications.



UPC Number	Size	Color	Case Qty	Units
00-021200-86520-6	24mmx55m	Clear	36	RL
00-021200-86521-3	48mmx55m	Clear	24	RL

## Hazard Tape

**3M™ Safety Stripe Tape 5702**

Tape resists most common chemicals and solvents. Used to identify or mark traffic areas and physical hazards. The sharp, contrasting colors readily identify hazardous areas. The clear vinyl over the colored stripes help protect stripes from abrasion. The 5.4 mil total tape thickness resists snagging often associated with thicker products.



UPC Number	Size	Color	Case Qty	Units
00-021200-03951-5	3"x36yds	Black/Yellow	12	RL

**IMPORTANT:** All 3M Safety products shown in this catalog must be used in accordance with OSHA regulations and the user instructions, warnings and limitations accompanying each product.



## CONTACT US FOR YOUR 3M MRO PRODUCT NEEDS:

- *Customer Response Center* 1-800-567-1639 Ext 4448
- *Safety Products* 1-800-328-1667
- *Electrical* 1-800-245-3573
- *Visit us at* **www.3M.com/oilandgas**
- *Contact your local 3M authorized distributor directly.*

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### For Additional Information

1-800-567-1639 Ext 4448

To request additional product information or to arrange for sales assistance, call 1-800-567-1639 Ext 4448. Address correspondence to: 3M Industrial & Transportation Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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### Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors 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 the user's method of application.

### Warranty and Limited Remedy

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. **3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.** User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

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### Limitation of Liability

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