

SAFETY PRODUCTS

Goggles; Safety Glasses

■ 3M™ Splash Guard Safety Goggles



Reduce exposure to a variety of eye hazards including impact, splash and dust. Vinyl frame with soft border for excellent fit. Adjustable head strap and polycarbonate lens. Sold in packages of 6.

19834 3M™ Splash Guard Safety Gogglespkg/6

■ 3M™ Safety Goggles, Perforated Frame



Multi-purpose safety goggles with polycarbonate lens to guard against impact eye hazards. Vinyl frame with soft border for excellent fit, adjustable head strap. Perforated for added ventilation and comfort. Sold in packages of 6.

Note: Use 19834 for protection against splash or dust hazard.

19835 3M™ Safety Gogglespkg/6

■ 3M™ Wrap Around Safety Glasses



Comfortable, wrap around safety glasses that provide side and brow protection. Black frame with adjustable temples, clear lens.

19832 3M™ Safety Glasses, black frameeach

■ 3M™ Light-weight Safety Glasses



Stylish safety glasses that give comfortable eye protection. They meet the high impact standards for Occupational and Educational Eye and Face Protection ANSI Z87.1-2003. Black frame temples, clear lens.

19833 3M™ Safety Glasses, black templeseach

3M™ Safety glasses

Hard Coating – Durable coating permanently bonded to extend lens life

Anti-Scratch – Protective coating on lens that is resistant to scratches

UV Protection – Polycarbonate lenses reduce UVB and UVA radiation from natural sunlight by >99%

Anti-fog – Provides resistance to moisture in high humidity environments and occurrences of temperature shifts

■ 3M™ Visitor Specs, Clear



An economical alternative for short term eye protection. Can be worn alone or over prescription glasses. Polycarbonate lens reduces UVB and UVA radiation from natural sunlight by 99%.

Clear. Meets the requirements of the Standard for Occupational and Educational Eye and Face Protection ANSI Z87.1-2003. Usually used by lab visitors.

19836 3M™ Visitor Specs, Clearpkg/6

■ UVEX® Splash Guard Protective Goggles



Optimum protection with two chemical drainage systems. Indirect venting provides maximum ventilation and protection against chemical splash, flying particles and dust. Fits over eyeglasses.

19826 UVEX® Splash Guard Protective Goggleseach

■ UVEX® Protective Eyewear



comfort, protection, style

Designed with unique features to provide the user with a great fit and extraordinary comfort all day. The soft elastomer of the brow guard provides a comfort pad and shock absorber.

- Patented dual wrap-around lens provides uninterrupted peripheral coverage.
- 3-position ratchet lens inclination system adjusts to complete the fitting.
- Adjustable temple length enables wearer to custom fit the eyewear to their facial profile.
- Soft, comfortable “fingers” adjust to conform to normal, slim or wide nose bridges for a non-slip, snug yet comfortable fit.
- A unique ventilation channel between the frame and the lens vents the eye socket area to deliver an outstanding level of moisture and fog control.
- Soft brow-guard serves as “shock absorber”.

19827 UVEX® Safety Glasses, clear, black frameeach

19828 UVEX® Safety Glasses, clear, blue frameeach

19831 UVEX® Replacement Lens,each

■ UVEX® Ultra-Spec Safety Spectacles with 4C Coating

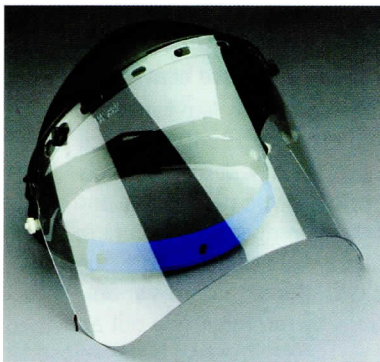


Comfortable and stylish eyewear. Anti-fog, anti-static, anti-UV and anti-scratch. 100% polycarbonate material. Fits over most prescription glasses. Optically correct lenses.

19825 Uvex® Protective Safety Spectacleseach

■ 3M™ Face Shield

eye and face protection



- Replaceable, clear polycarbonate shield that provides clear vision
- The shield is held securely in position with a cam-lock
- Provides secondary eye and face protection
- Fully cushioned; removable brow pad absorbs moisture

Meets requirements of ANSI Z87.1-2003, high impact

Warning: Always use face shields with primary eye protection such as safety glasses or goggles (not included).

19837 3M™ Face Shield Kiteach

■ 3M™ Particulate Respirators, Disposable



3M™ 8210 is classified as an N95 particulate respirator. For non-oil hazards only. Meets NIOSH 42 CFR 84 N95 requirements. Minimum filter efficiency of 95% (for particle sizes 3µm or larger). Grinding, sanding, sweeping, and other

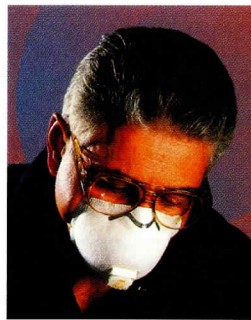
dusty applications. Adjustable noseclip design helps for a good seal and good fit. Adjustable straps.

19942 3M™ Particulate Respirator N95box/20

For High Risk Latex
Gloves go to page 189



■ 3M™ Particulate Respirators, Disposable, NIOSH Rated



3M™ 8293 P100 is suited for those who want NIOSH's *highest rated* efficiency in a maintenance free respirator. Work-place applications includes OSHA sub-

stance specific particle exposure in concentrations up to 10x the OSHA PEL (lead, cadmium, arsenic, MDA, excluding asbestos). This respirator features the 3M™ Cool Flow™ Exhalation Valve, comfortable faceseal and adjustable straps.

19943 3M™ Particulate Respirator P100each

■ 3M™ Particle Respirator 9211, N95



It is a breakthrough in comfort and convenience. This three-panel respirator with innovative design is ideally

suited for work settings that involve heat, humidity or long periods of wear. Suggested applications include grinding, sanding, sweeping, bagging and other operations that create dust. Uses may be in metal and mineral processing, surface preparations, dry chemical handling. The respirator is individually packaged to help prevent contamination during storage. It features a low profile collapse resistant design, 3M™ Cool Flow™ Exhalation Valve, and a soft nose foam pad. Its lightweight design helps promote worker acceptance and comfort and increased wear time.

19935 3M™ Particulate Respirator 9211pkg/12

Procedures for testing and certifying non-powered (negative pressure) particulate respirators (air-purifying respirators with particulate filters) are established by the National Institute for Occupational Safety and Health (NIOSH). The filter series are referred to as N, R, and P. The three different levels of filter efficiency are 95%, 99%, and 99.7%.

N-Series Filters These filters are restricted to use in atmospheres free of oil aerosols. They may be used for any solid or liquid airborne particulate hazard that does not contain oil.

N95 Particulate Filter 95% filter efficient when tested with ~0.3µm NaCl aerosol.

P-Series Filters These may be used for solid or liquid particulate airborne hazards including oil aerosols. In environments containing oil aerosols, 3M™ P-Series Filters can be used longer than an R-Series filter. Refer to each product's "Time Use" Limitation.

P100 Particulate Filters 99.97% filter efficient when tested with ~0.3µm DOP aerosol.

SAFETY PRODUCTS

Clean Air System; Hot Hand® Protector; Wash Bottles; Biohazard Bags; Epoxy Hand Cleaners

■ Clean Air System *Portable Fume Extractor Filter*



Remove and adsorb fumes from your Microwave System, portable fume hood or other equipment and/or work areas.

Localized air purification protection is provided for those laboratories which have overcrowded fume hoods or where a fume

hood is simply unavailable in the microwave area. Fumes are led from the vent, through a 5" diameter chemically resistant hose (5 feet [152cm] provided) to a filter housing. Various types of filters are available (HEPA, carbon, dacron and aluminum pre-filters), but the one we recommend for microscopy/histology is type FRC-4 which has been tested for glutaraldehyde and formaldehyde fumes.

Desk and wall-mounted designs are available.

3120 Clean Air System, Air Purifier, Single Hose, 115VAC (does not include filter)each

3120-220 Clean Air System, Air Purifier, Single Hose, 230VAC (does not include filter)each

Clean Air System Filters: Size 10 x 17 x 2" for EM (glutaraldehyde, osmium tetroxide; highest adsorbing capacity) (Special/carbon treated)

3024 Filters, FRC-4 Series (special/carbon treated) . .pkg/3

3026 HP-2 series HEPA filter, 99.99% @ 0.3µmeach

For Formaldehyde:

3028 FR-4 Series; carbon filter with 8-10 lbs. adsorbentpkg/3

If Additional Hose Is Required:

3040 Hose (5" dia.), extra, for Clean Air System 3120per foot

If Wall Mount Is Required:

3042 Wall Mount for Clean Air System 3120each

Note: Particle Work: HEPA filter Chemical Vapors: FRCB-2 or 1.5" deep (special charcoal vapor).

■ Hot Hand® Protector



Provides superior protection when handling hot or cold objects. Made of strong silicone rubber which resists tearing, withstands temperatures as high as 260°C (500°F), and remains flexible at temperatures as low as -57°C (-71°F). The gripping surfaces have multiple concave-tipped studs for non-slip grip. Each

Hot Hand® Protector has a hole for hanging, and end pockets for the thumb and fingers. 10 x 19cm (3-7/8 x 7-1/2").

23110 Hot Hand® Protectoreach

■ Safety Labeled Wash Bottles



For safe and positive identification of common laboratory solutions, these wash bottles are labeled in bold, eye-catching letters and symbols. Standard Diamond Alert symbols indicate what type of hazard the contents may present.

Includes these bottles: Water, Acetone, Methanol, Isopropanol, Toluene, and Ethanol. Color-coded.

19800 Safety Wash Bottles, variety 6 packcase/6

■ Biohazard Bags



Easy-open, space-saving, convenient, autoclavable. Sterilization indicator patch darkens when subjected to autoclave heat.

These bags have one long flap for ease of opening. Used with the 19840 desk-size bag holder, they provide a neat disposal unit for use in fume hoods or on bench tops and desks. The bright orange/red bags are made of high molecular weight, high-density polyethylene, printed with the biohazard symbol. They

may be used as waste pickup bags by turning inside out and placing the hand inside to pick up waste. The bag is then closed with sterilization indicator on the outside.

The bags measure 8-1/2 x 11" (22 x 28cm). Packed 100/bag.

19838 Biohazard Bagspkg/100

19840 Bag Holdereach



■ Epoxy Hand Cleaner

Premium, heavy duty cleansing agent, formulated to speed the removal of all types of epoxy residue. Contains mineral spirits and isopropyl alcohol. It effectively dissolves epoxy, polyester, urethane, lacquer, grease, oil and many other hard to remove soils.

450ml (15 fluid oz.) bottle. **M**

19972 Epoxy Hand Cleaner, 450mleach



■ Professional Paint, Stain, Epoxy Hand Cleaner

GoJo is the safer way to clean your hands without using dangerous paint thinners or other harsh chemicals. Thoroughly cleans stains, varnishes, dyes, inks, sealers, adhesives, acrylic enamel, acrylic lacquer, acrylic urethane, enamel, epoxy, lacquer, latex, oil base, single component polyurethane paints, primers, plastic filler and putty. 650ml (22 fluid oz.) bottle. Non-Toxic. **M**

19978 GoJo Paint and Stain Hand Cleaner, 650ml . . .each

M = MSDS on web page



■ Barrier Cream 222®

skin protectant with silicone

For wet or dry work, helps protect skin against many sticky, staining, irritating industrial substances. 222® is not readily removed by many water based or oil based substances. To remove, wash vigorously with soap and water. Tube of 118ml (4 fl. oz.) **M**

19974 Barrier Cream 222®, 4 fl. oz.each
water soluble skin protectant

This cream is a greaseless, invisible barrier against many sticky, staining, irritating industrial substances. To remove, wash with soap and water. Tube of 118ml (4 fl. oz.) **M**

Tissue-Tek® NEUTRA-GUARD™ Aldehyde Control System

safe, efficient, economical

- Four unique products for fast, safe, efficient aldehyde neutralization
- Eliminates exposure to potentially hazardous conditions
- Certified technology for treating formalin waste
- Complies with federal, state and local ordinances

■ Neutra-Form™



- Fast, effective control agent for accidental aldehyde spills
- Diminishes harmful vapors
- Neutralizes hazardous aldehydes
- 2 containers, each container neutralizes larger spills of 10% formalin or 2% formaldehyde **M**

For Sale in U.S.A. Only

19975 Neutra-Form™, 1.4kg,
(50 oz.)case/2

■ Neutra-Pads™



- Revolutionary grossing pad that absorbs and neutralizes 10% formalin
- Significantly reduces the effects of noxious vapors
- Unique pad design encapsulates formalin and promotes neutralization
- Exclusive plastic pad backing prevents escape of harmful liquids; keeps grossing area drier, cleaner, safer

- Pad size: 20.3 x 25.4cm (8 x 10") **M**

For Sale in U.S.A. Only

19979 Neutra-Pads™case/100

■ Neutralelex™



- CAL/EPA certified technology
- Complete aldehyde neutralization in 15 minutes
- No drain-clogging polymer by-products

- Final neutralization levels down to 10 ppm
- No pH adjustment
- Easy to use: Premeasured powder pouches are easy to use, convenient to store, won't leak or freeze during the winter months. 16 premeasured pouches (each pouch neutralizes 4 liters or 1 gallon) **M**

For Sale in U.S.A. Only

19976 Neutralelex™ Starter Pack (includes 16 pouches of Neutralelex™, aldehyde test kit [for 100 tests] and a 9.5L reaction container)each

19977 Neutralelex™ Pouchescase/16

■ Neutra-Wipes™



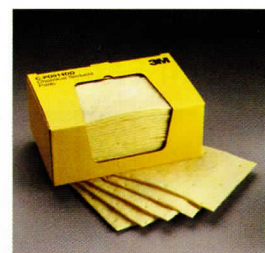
- Rapidly absorbs and neutralizes small formalin spills
- Significantly reduces the effects of noxious vapors
- Perfect liner for tissue transporting trays
- Ideal as a shelf liner in tissue storage areas
- Convenient pop-up dispensing container provides fast accessibility to wipes **M**

For Sale in U.S.A. Only

19981 Neutra-Wipes™ Starter Pack (one dispenser & one roll of 60 Neutra-Wipes™)each

■ Chemical Sorbent Pads, High Capacity C-PD914DD

- Highly absorbent and nongranular, these pads feature a non-profile design so they can be easily placed in tight areas.
- Ideal for cleaning up small spills and wiping down contaminated areas.
- Powerful enough to handle most acids (including hydrofluoric acid), bases, coolants and most other hazardous fluids and resists chemical reactions.
- 25 pads/dispenser box.
- 9-1/4" x 14-1/2" (23.5 x 36.8cm)



81105 Chemical Sorbent Padsbox/25 pads

M = MSDS on web page

SAFETY PRODUCTS

LABMAT™; Liquid Alarm; Autoclave Gloves; Trim-Safe; Cryo-Gloves & Aprons

■ LABMAT™ in Dispenser



Disposable Labmat™ bench & drawer liner simplifies cleanup chores and safeguards work surfaces from stains and spills. Flexible plastic is non-skid, and prevents soak-through of most solutions. The highly

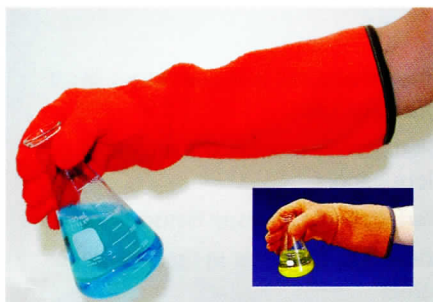
absorbent upper surface traps water, dyes, corrosive chemicals and radioactive solutions.

20" x 50' (50.8cm x 15.2m). Can be rolled up and discarded after use. Required amount is cut with scissors.

81115 Labmat™, 15.2 meter rolleach

■ Clavies® Biohazard Autoclave Gloves

unload your autoclave safely



12246, 47cm (18.5");
inset **12245**, 33cm (13")

Soft, pliant, all-cotton terry cloth. Clavies® gloves are excellent for handling hot objects out of the autoclave or oven.

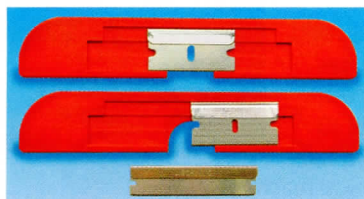
They are also excellent for use where other heat protection is needed whether in the lab, school or industry. Heat resistant up to 232°C (450°F), they

replace hazardous asbestos gloves. Gauntlets in two lengths provide wrist and forearm protection and the bright orange color offers high visibility. Machine wash, tumble dry.

12245 Clavies® Biohazard Autoclave Gloves, overall length 33cm (13"), gauntlet 13cm L (5")1 pair

12246 Clavies® Biohazard Autoclave Gloves, overall length 47cm (18.5"), gauntlet 28cm L (12") . .1 pair

■ Trim-Safe



Protects your fingers while cutting and trimming with razor blades. Accommodates all types of razor blades. Blades slide in sideways.

81117 Trim-Safe.each

81117-1 Trim-Safe.pkg/12

■ Cryo-Gloves



Used in cryogenic atmosphere, ultra low temperature freezers, dry ice, autoclaves and ovens. Suitable for temperatures from -160°C (-250°F) to +148°C (300°F).

Note: Not for immersion in liquid nitrogen, DO NOT use near an open flame or hazardous areas where ignitions could occur.

Resistant to solvents, warmth without bulk, machine washable/dryable, breathable.

81724 Cryo-Gloves, Mid Arm length, medium1 pair

81725 Cryo-Gloves, Mid Arm length, large1 pair

81726 Cryo-Gloves, Mid Arm length, x-large1 pair

81727 Cryo-Gloves, Elbow length, medium1 pair

81728 Cryo-Gloves, Elbow length, large1 pair

81729 Cryo-Gloves, Wrist length, medium1 pair

81730 Cryo-Gloves, Wrist length, large1 pair

■ Cryo-Aprons

Provides a high-level of thermal protection to the torso and upper legs in harsh cryogenic atmospheres.

Multi-layered construction allows for a maximum level of thermal protection, and a rugged waterproof Cordura® nylon outer shell protects you from cryogenic splashes.

For added safety and function, aprons have quick-release buckles at the neck and waist.

81731 Cryo-Apron, 36"each

81732 Cryo-Apron, 42"each

81733 Cryo-Apron, 48"each

81734 Cryo-Apron, 54"each



■ Liquid Alarm



This effective Liquid Alarm is helpful to detect leaks of cooling systems and overflow or leaks of drums, tanks or beakers. It is a perfect reminder when unattended fluid pumps are running. Place the sensor on the floor to detect spills. The moment a solution touches the sensor, a high-

decibel alarm sounds and a red LED light flashes continually until the sensor is removed from the liquid or the unit is turned off. This will alert people and allows taking action before a more serious situation develops. For use with aqueous solutions and liquids that do not attack plastics.

Cable length from sensor to alarm unit is 10 feet, size of case is 76 x 46 x 19mm (3" x 1-13/16" x 3/4"), weight 71gr (2-1/2 oz). Uses 1 AA battery (included).

54515 Liquid Alarm, including sensor and AA batterypkg/6

■ Broken Glass Disposal Box



A handy receptacle for safely collecting broken glassware for disposal. Provides mess-free convenience for any work area. A cut-out flap in the lid allows easy insertion of glass. Supplied with a 2 mil (0.05mm) thick polyethylene bag. Tabs keep the liner from slipping out of place. Packaged flat for saving space and shipping costs. Two sizes, benchtop (8095-1) and floor (8095-2).

8095-1 Broken Glass Disposal box,
20 x 20 x 25cm (8 x 8x 10")pkg/6

8095-2 Broken Glass Disposal box,
30 x 30 x 69cm (12 x 12 x 27")pkg/6

■ Ampoule Cracker; Disposable

for safely fracturing prescored ampoules



Slip the Ampoule Cracker over the top of the ampoule at the prescored portion, press on collar to snap off the top. Discard the top along with the Ampoule Cracker (using proper safety precautions for hazardous waste disposal).

The Ampoule Cracker not only has applications for Electron Microscopy, but also for Blood Gas Reagents, Pharmaceuticals, Electrolyte and Flame Standards, Anesthesiology Solutions, Nursing and Manufacturing.

Useful anywhere ampoules need to be opened. Patent pending.

18405 Ampoule Cracker, Disposable,
1-4ml sizepkg/100

18407 Ampoule Cracker, Disposable,
11-20ml sizepkg/100

■ Ampoule Breaker; Soft Silicone



A simple way to break ampoules. Takes 5, 7, and 10ml ampoules. Reduces injury and spillage.

439-5 Ampoule Breaker, Silicone each

■ Evaporation Viewing Glass



*impact resistant,
2 x 4-1/4" (5 x 10.8cm)*

Dark glass to safely view metal or carbon evaporation process through bell jars or glass windows. AWS shade No. 10

55 Evaporation Viewing Glasseach

■ 3M™ Workplace Chemical Exposure Monitors

*sampling monitors of airborne
contaminants through diffusion*

Organic Vapor Monitors

All Monitors utilize a single charcoal sorbent wafer for collecting organic vapors with an accuracy of $\pm 25\%$ at a 95% confidence level for many workplace contaminants.

A back-up pad for more demanding compounds and environments is available. These are with or without prepaid analysis. Used in the medical fields, microscopies, chemical, pulp and paper foundry, and textile industries.

Formaldehyde Monitor

Designed to measure exposure in the medical fields, microscopies, chemical, pulp and paper foundry, and textile industries. Meets OSHA accuracy requirements of $\pm 25\%$ for 8-hour TWA sampling. Not for 15 minute STEL sampling

Ethylene Oxide Monitor

Designed for measuring exposure to ethylene oxide in the medical fields, pharmaceuticals, microscopies and other fields where appropriate.

Meets OSHA accuracy requirements for 8-hour TWA and 15 minute STEL sampling.

Details of test procedures are available on the 3M web site or from our offices. **These monitors, when ordered, are non-cancelable and non-returnable.**

Results may be compared to permissible exposure limits (PEL).

Monitor personnel and/or work areas in EM, hospital, pharmaceutical, chemical, governmental, chemical, governmental, and other laboratories. Analysis information is included with each monitor. For outside analysis please order monitors with "Prepaid Analysis" and the service and packaging will be provided so that the monitors may be returned to a specified address for examination and reply.

81135 3M™ Formaldehyde Monitor 3720
with Prepaid Analysiscase/5

81137 3M™ Formaldehyde Monitor 3720
(analysis not included)case/5

81140 3M™ Organic Vapor Monitor 3500
(analysis not included)case/10

81142 3M™ Organic Vapor Monitor 3510
with Prepaid Analysiscase/5

81144 3M™ Organic Vapor Monitor 3520
with Backup Sectioncase/5

81146 3M™ Organic Vapor Monitor 3530
with Backup Section and Prepaid Analysiscase/5

81148 3M™ Ethylene Oxide Monitor 3550
with Prepaid Analysiscase/5

81150 3M™ Ethylene Oxide Monitor 3551
(analysis not included)case/5

81152 3M™ Ethylene Oxide Monitor 3551B, Bulk
(analysis not included)case/50

