

Personal protective equipment guide for handling production chemicals

Toluene

It is our mission at VWR, part of Avantor, to set science in motion to create a better world. Safety is a key component of that. See below for a select group of head-to-toe items to keep your most important resources safe when working with toluene.

Coveralls

DUPONT™ TYCHEM® 5000 COVERALLS WITH LAYDOWN COLLAR

Tychem® 5000 fabric is strong and durable for rigorous activities and rugged situations involving liquid splash and provides barrier to a broad range of chemicals. Typical applications include chemical handling, petro-chemical, hazardous materials/waste clean-up, fire departments, industrial hazmat teams, utilities, and domestic preparedness. Commonly used in domestic preparedness for situations where the potential to exposure to chemicals exist.

- Collared
- Elastic wrists and ankles
- Storm flap with adhesive closure
- Taped seams

Cat No: **76187-254** or find additional options on [vwr.com](https://www.vwr.com)



MICROCHEM® BY ALPHATEC™ 68-4000 CHEMICAL PROTECTION COVERALLS WITH HOOD AND ULTRASONICALLY WELDED AND TAPED SEAMS, ANSELL

These coveralls are designed to provide an exceptional barrier against organic and inorganic chemicals as well as biological agents.

- Permeation tested against over 190 chemicals, including chemical warfare agents
- Textile-like inner improves comfort
- Typical coverall features include color coded dual zip systems, double cuffs with knitted inner cuff, and 2-piece respirator fit hood
- Ultrasonically welded and taped seams provides a strong liquid and particle barrier

Cat No: **10836-248** or find additional options on vwr.com

Why coveralls? Splashes and spills cannot always be prevented. Everyday clothes are not enough to prevent harsh chemicals from permeating. Be sure those handling hazardous chemicals are wearing protective apparel that is rated for the type of exposure and length of time one could be exposed for.



Eyewear

VWR® CHEMICALS SPLASH GOGGLE

Wide vision goggles provide high levels of comfort and maximum splash protection.

- Wrap around modern style provides excellent panoramic vision
- Fits most facial contours
- Comfortably fits over most prescription glasses
- Indirect ventilation
- Provides 99.9% UV protection

Cat No: **75982-628** or find additional options on vwr.com

Why eyewear? Chemical burns from vapor and splashes represent a large amount of eye injuries. Simple goggle protection is an easy way to prevent these type of eye injuries.



Respirators

AIR PURIFYING DUAL CARTRIDGE RESPIRATORS, HONEYWELL SAFETY

Comfortable half-mask or full facepiece respirators for use with North Safety Products cartridges and filters.

- Reliable and latex-free respirators offer direct cartridge-to-facepiece connection
- Nonallergenic silicone facepieces

Cat No: **56222-946** or find additional options on vwr.com

Why respirators? Lung irritation and burns from chemical vapors can serious short and long-term risks. To prevent these be sure there is adequate ventilation and respiratory protection available. Do not forget about proper fit testing!



Face protection

VWR® RATCHET HEADGEAR WITH FACE SHIELD

The VWR® Ratchet Headgear with Face Shield provides full face protection from debris and splash hazards. Ideal for use in many environments ranging from the lab to industrial applications.

- Lightweight design
- Ratchet headgear features padded headband for better fit and comfort
- Face shield features universal slot design compatible with many different headgear styles
- Face shield thickness: 2.0 mm
- Fits comfortably with respirator or eyewear
- Impact-resistant, scratch-resistant polycarbonate shield

Cat No: **76336-850** or find additional options on vwr.com

Why face protection? Even when wearing safety glasses or goggles and respirators, it is important to prevent injuries from splashes, sprays, or mist by wearing approved facial protection. Face shields are a good way to also protect the respirator and goggles being worn, making sure they are in proper working order.



Aprons

DUPONT™ TYCHEM® 5000 SLEEVED APRONS

Tychem® 5000 fabric is composed of a multi-layer film barrier laminated to a durable 2.0 oz/yd² polypropylene substrate.

- Sleeved
- Elastic wrists
- Neck loop with snaps and waist ties
- Taped seams

Cat No: **76187-410** or find additional options on vwr.com

Why aprons? The protection offered by a coverall is not always necessary but there still may be risks to the body and clothing being worn. Be sure to properly evaluate your processes to determine which PPE should be used.



Hand protection

CHEMTEK™ 38-612 CHEMICAL RESISTANT VITON AND BUTYL GLOVES, ANSELL

The ultimate in splash and immersion protection, gloves deliver a unique balance of ergonomic design and tactile sensitivity with optimum chemical splash protection.

- Extra protection against chemical splashes
- Low-cost protection against aggressive chemicals
- Ergonomically designed for comfort
- High tactile sensitivity

Cat No: **10119-108** or find additional options on vwr.com



ECO BEST TECHNOLOGY® NITRILE INDUSTRIAL GLOVES, POWDER-FREE, SHOWA BEST GLOVE

Using revolutionary Eco Best Technology®, this mid-forearm gauntlet is designed for multiple uses and a range of applications, from food processing to manufacturing, masonry to refinery operations.

- 100% nitrile with Eco Best Technology®
- Unsupported, unlined
- 15 mil thick
- Bisque grip

Cat No: **75804-776** or find additional options on vwr.com



Why hand protection? The most common type of injury is to the hand. Chemical exposure can cause many different injuries based on the chemical type and exposure time. Limit risks by wearing hand protection that is compatible with the chemicals used.

Working with other chemicals? See our whole range of PPE brochures for chemical work

	Acetone	Acetonitrile	Ammonia	Chloroform	Dichloromethane	Isopropyl alcohol	Methanol	Nitric acid	Petroleum ether	Toluene	Xylene
Face protection	76336-850	—	76336-850	—	76336-850	76336-850	76336-850	76336-850	76336-850	76336-850	33002-535
Eyewear	75982-628	—	75982-628	—	75982-628	75982-628	75982-628	75982-628	75982-628	75982-628	75982-628
Respirators	56219-042	45000-754	10065-408	56223-222	45000-754	56222-177	56219-042	89013-374	80082-486	56222-946	56222-903
Coveralls	10016-516	76187-230	13452-702	76187-230	76187-230	10016-516	10016-516	10010-420	10836-520	76187-254	76187-254
	10836-248	10836-248	10836-248	10836-264	10836-264	10836-216	10836-216	10836-248	—	10836-248	10836-248
Aprons	13452-842	76187-176	76207-744	76187-176	76187-176	13452-842	13452-842	13452-672	76207-744	76187-410	76187-410
Hand protection	89011-858	89011-858	32890-345	32890-009	32890-009	76323-476	32890-345	76323-510	76323-486	10119-108	10119-108
	76337-040	76337-040	—	76337-040	76337-040	76218-518	—	—	76218-518	75804-776	75804-776
Sleeves	10170-170	—	—	—	—	10170-170	10170-170	13450-338	—	—	—