

Personal protective equipment guide for handling production chemicals

Isopropyl alcohol

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 isopropyl alcohol.

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](https://www.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.



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

7800 SERIES FULL FACEPIECE RESPIRATORS, 3M™

These reusable respirators can be used in a wide range of industrial applications. Respirators feature a double flanged face seal, nose cup, and six adjustable straps for a reliable fit.

- Double flanged face seal, nose cup, and six adjustable straps for reliable fit
- Durable, scratch-resistant polycarbonate lens

Cat No: **56222-177** or find additional options on vwr.com

Why respirators? Lung irritation and burns from chemical vapors can have 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!



Coveralls

DUPONT™ TYCHEM® 4000 COVERALLS WITH RESPIRATOR FIT HOOD AND ATTACHED SOCKS

Tychem® 4000, utilizes Saranex™ 23-P film laminated to Tyvek® fabric to provide a rugged and durable fabric that resists abrasion. Tychem® 4000 fabric provides at least 30 minutes of protection against >124 chemical challenges. Typical applications include chemical mixing, hazardous remediation, emergency medical response, paint spraying, and nuclear environments.

- Respirator fit hood
- Elastic wrists
- Attached socks with outer boot flaps
- Storm flap with adhesive closure
- Taped seams

Cat No: **10016-516** or find additional options on vwr.com



MICROCHEM® BY ALPHATEC™ 68-2300 LIGHTWEIGHT CHEMICAL PROTECTION COVERALLS WITH BOUND SEAMS, ANSELL

MICROCHEM® by AlphaTec™ 2300 provides an excellent barrier to harmful chemicals and blood borne pathogens, while being lightweight and relatively strong and durable. These disposable latex coveralls provide a barrier to numerous inorganic liquid chemicals including acids and bases.

- Lightweight yet strong and durable
- Typical coverall features include respirator fit hood and zip flap with self-adhesive tape closure
- Finger loops
- Antistatic tested according to EN1149-5 and AATCC76

Cat. No. **10836-216** 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.



Aprons

DUPONT™ TYCHEM® 4000 BIB APRONS

Tychem® 4000, utilizes Saranex™ 23-P film laminated to Tyvek® fabric to provide a rugged and durable fabric that resists abrasion. Tychem® 4000 fabric provides at least 30 minutes of protection against >124 chemical challenges. Typical applications include chemical mixing, hazardous remediation, emergency medical response, paint spraying, and nuclear environments.

- Neck loop
- Waist ties
- Bound seams
- One size fits most

Cat No: **13452-842** 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

DUPONT® TYCHEM® NITRILE GLOVE, KNIT LINED

- Protection against an array of solvents, oils and acids.
- Cotton liner absorbs perspiration for comfortable extended wear, with good mechanical resistance.

Cat No: **76323-476** or find additional options on vwr.com



Sleeves

ALPHATEC® 58-535B GLOVES, ANSELL

The AlphaTec® glove incorporates a unique combination of liquid-proof chemical resistance and grip, together with flexibility and dexterity, makes this glove the logical choice when working with chemicals.

- Medium duty
- Reliable chemical protection
- Silicone-free



Cat No: **76218-518** 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.

DUPONT™ TYCHEM® 4000 SLEEVED APRONS

Tychem® 4000, utilizes Saranex™ 23-P film laminated to Tyvek® fabric to provide a rugged and durable fabric that resists abrasion. Tychem® 4000 fabric provides at least 30 minutes of protection against >124 chemical challenges.

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



Cat No: **10170-170** or find additional options on vwr.com

Why sleeves? The use of a coverall or apron may not always be needed. Since injuries to the hand and arm are all too common, sleeves or a similar combination paired with the correct gloves may be a good solution depending on your processes.

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	—	—	—