

Personal protective equipment guide for handling production chemicals

Chloroform

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 chloroform.

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
- Thermoplastic elastomer facepieces
- NIOSH approved when used with North Safety Products cartridges

Cat No: **56223-222** or find additional options on [vwr.com](https://www.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!



Coveralls

DUPONT™ TYCHEM® 9000 COVERALLS WITH RESPIRATOR HOOD AND ATTACHED SOCKS

Tychem® 9000 fabric provides at least 30 minutes of protection against more than 280 chemical challenges, including chemical warfare agents. Tychem® 9000 offers tear, puncture and abrasion resistant fabrics for lasting protection. Tychem® 9000 garments are designed for enhanced comfort and ease of movement. These coveralls are high-visibility yellow.

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

Cat No: **76187-230** or find additional options on vwr.com



MICROCHEM® BY ALPHATEC™, 68-5000 CHEMICAL PROTECTION COVERALLS WITH HOOD AND ULTRASONICALLY WELDED AND TAPED SEAMS, ANSELL

MICROCHEM® by AlphaTec™ 5000 reaches new levels in chemical protection and has been engineered to protect. The highly visible multi-layer fabric is strong, durable, and suitable for workers in extremely hazardous areas, including HAZMAT response teams.

- Barrier to numerous organic and inorganic chemicals and biological hazards
- Multi-layer material, which is lightweight yet strong and durable
- Innovative design features include liquid-tight dual zip closure without the need for additional taping

Cat No: **10836-264** 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® 9000 BIB COVERALL AND JACKET COMBO

Tychem® 9000 fabric provides at least 30 minutes of protection against more than 280 chemical challenges, including chemical warfare agents. Tychem® 9000 offers tear, puncture and abrasion resistant fabrics for lasting protection. Tychem® 9000 garments are designed for enhanced comfort and ease of movement.

- Santoprene cuffs
- Open ankles
- Double storm flap on jacket
- Adjustable webbing strans with buckle closure on coveralls
- Taped seams

Cat No: **76187-176** 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.



CHEMTEK™ 38-514 BUTYL GLOVES, ANSELL

Type 15-554 gloves are nearly inert to strong solvents including aromatics, aliphatic substances, and chlorinated solvents.

- Hand-specific
- Gauntlet cuffs
- Good resistance to abrasions, and suitable for handling solvents and working with epoxies
- Smooth finish
- Liner Material: Interlock Cotton

Cat No: **32890-009** or find additional options on vwr.com



SHOWA 893 CHEMICAL RESISTANT UNSUPPORTED VITON BUTYL GLOVES, BEST GLOVE

Forged with fluoroelastomer rubber, SHOWA 893 gloves provide superior resistance to highly corrosive acids. They are designed for handling aliphatic and aromatic hydrocarbons, such as benzene, toluene, and xylene.

- Chemical resistant viton/butyl construction
- Protection against aromatics such as benzene, toluene, xylene
- Excellent barrier to most chlorinated solvents and aliphatic hydrocarbons

Cat No: **76337-040** 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	—	—	—