



HALYARD

Part of the Owens & Minor Family

EMS CATALOG

**PROTECTION ENGINEERED
FOR TODAY'S EXTREME
EMS CHALLENGES**



INTRODUCTION

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Halyard offers products with high level personal protection from dangerous drugs and blood-borne pathogens encountered by EMS professionals every day.

HALYARD* Infection Prevention Products include clinically-superior facial protection, gloves, and protective apparel. Our recognized portfolio is sold in more than 90 countries and holds leading market positions across the portfolio.

We proudly deliver the protective products that EMS providers have come to know and trust.

GLOVES

HALYARD* Nitrile Exam Gloves help safeguard you, your staff and patients from exposure to bloodborne pathogens, chemicals and other infectious materials. We offer a range of protection and value to deliver the best sterile or non-sterile glove for the task.

GLOVE	9.5"	12"	FLUID EXPOSURE	AMBIDEXTROUS + BEADED CUFF	STERILE OPTION AVAILABLE	CHEMO DRUGS TESTED	COMMON CHEMICALS TESTED	ECO PULL* OPTION AVAILABLE
PURPLE NITRILE*	✓		Moderate to High	✓	✓	29	41	
PURPLE NITRILE-XTRA*		✓	High	✓	✓	52	45	
BLACK-FIRE*	✓		Low to High	✓				
STERLING*	✓	✓	Low to High	✓	✓	52	7	
STERLING SG*	✓		Low to High	✓		52	5	✓
LAVENDER*	✓		Low to Moderate	✓		12	20	
AQUASOFT*	✓		Low	✓		36	7	

PURPLE NITRILE* - MAXIMUM PROTECTION FOR ALL RISKS

These durable gloves are available in 9.5 and 12 inch lengths, sterile and non-sterile versions, to provide a full range of protection options. 12 inch PURPLE NITRILE-XTRA* Gloves are NFPA 1999 Certified (National Fire Protection Association) and come in a SMART PULL* dispenser that will reduce glove waste.



PURPLE NITRILE* EXAM GLOVES

Provides maximum barrier protection

- Heavy weight, ideal for moderate to high risk settings and fluid exposure
- 9.5" exam glove

55080 XS
55081 S
55082 M
55083 L
55084 XL

XS - L 100 gloves/box | 10 boxes/case
XL 90 gloves/box | 10 boxes/case



PURPLE NITRILE-XTRA* EXAM GLOVES

Provides maximum barrier protection

- Heavy weight, ideal for moderate to high risk settings and fluid exposure
- 12" exam glove

55090 XS
50601 S
50602 M
50603 L
50604 XL

XS - L 50 gloves/box | 10 boxes/case

GLOVES



BLACK-FIRE* NITRILE EXAM GLOVES

Designed for superior protection

- Patented nitrile formulation increases comfort and strength
- Textured fingertips • Once doffed, easily see contaminated side

44755 XS
44756 S
44757 M
44758 L
44759 XL

XS - L	150 gloves/box	10 boxes/case
XL	140 gloves/box	10 boxes/case



STERLING* NITRILE EXAM GLOVES

For procedures with low-to-high risk of exposure to fluid and abrasion

- Cleared for use in chemotherapy • Flexible with high tactile sensitivity
- Non-sterile • Ambidextrous • Textured fingertips • Beaded cuffs

50705 XS
50706 S
50707 M
50708 L
50709 XL

XS - L	200 gloves/box	10 boxes/case
XL	170 gloves/box	10 boxes/case



STERLING SG* NITRILE EXAM GLOVES

For procedures with low-to-high risk of exposure to fluid and abrasion

- Cleared for use in chemotherapy • Flexible with high tactile sensitivity
- Non-sterile • Ambidextrous • Textured fingertips • Beaded cuffs

41657 XS
41658 S
41659 M
41660 L
41662 XL

XS - L	250 gloves/box	10 boxes/case
XL	230 gloves/box	10 boxes/case



LAVENDER* NITRILE EXAM GLOVES

Lavender is the #1 branded nitrile glove in the U.S. dental market¹

- Thinner and lighter than standard nitrile gloves with high tactile sensitivity
- For procedures with low to moderate risk of exposure to fluid and abrasion

52816 XS
52817 S
52818 M
52819 L
52820 XL

XS - L	250 gloves/box	10 boxes/case
XL	230 gloves/box	10 boxes/case



AQUASOFT* NITRILE EXAM GLOVES

Value, comfort, and protection

- Ultra-thin with the tactile sensitivity comparable to latex without the risk of latex skin irritation and allergies
- Textured fingertips

43932 XS
43933 S
43934 M
43935 L
43936 XL

XS - L	300 gloves/box	10 boxes/case
XL	250 gloves/box	10 boxes/case

RESPIRATORS

HALYARD* FLUIDSHIELD* N95 RESPIRATOR

- NIOSH-approved
- Effective facial fit as required for proper respiratory protection against airborne pathogens
- Unique shape provides large breathing chamber
- Folded flat and individually wrapped for easy storage in a vehicle door or pocket



46727	FLUIDSHIELD* N95 Respirator, Regular
46728	FLUIDSHIELD* N95 Respirator Singles (IWR)
46827	FLUIDSHIELD* N95 Respirator, Small
46828	FLUIDSHIELD* N95 Respirator Singles (IWR), Small
47950	Qualitative Fit Test Kit
47107	FLUIDSHIELD* Level 3 Procedure Mask with SO SOFT* Lining, Foam Band, Earloops, Orange
47147	FLUIDSHIELD* Level 3 Procedure Mask with SO SOFT* Lining, Wraparound Visor , Foam Band, Earloops, Orange
41204	GUARDALL SHIELD*, Full Length Visor

35 masks/box, 6 boxes/case

1 item/box, 1 kit/case

40 masks/box, 10 boxes/case

25 masks/box, 4 boxes/case

40 shields/box, 1 box/case

PROTECTIVE APPAREL



IMPERVIOUS COMFORT GOWN

69602 Universal
69603 XXL | 10/package, 100/case

Halyard Health Impervious Gowns offer protection from blood and body fluids and help maintain the health and confidence of personnel. These non-sterile gowns feature film laminate, poly-coated spunbond. The garments combine effective fluid resistance with wearer comfort. These gowns are ideal for patient contact, fluid isolation, decontamination or general cleanup tasks.

- Perforated open-back design
- Thumbhooks
- Film laminate
- Recommended areas for product use: Decontamination, ER



HALYARD* PROCEDURE GOWN

69025 L
69028 XL | 10/package, 60/case

- Heavy-weight, fluid-repellent 3-layer fabric
- Knit Cuffs
- Full back
- Hook & loop neck closure
- Tie waist
- SMS fabric



HALYARD* UNIVERSAL PRECAUTIONS LAB COAT

10045 S
10046 M
10047 L
10048 XL
10049 XXL | S - XL 25 coats/case
XXL 10 coats/case

- Available in blue or white
- Traditional collar and knit cuffs
- 3 reinforced pockets
- 6 snaps
- Back vent
- Neck loop for hanging
- Size/name label
- Protective 3-layer SMS fabric
- For low to moderate exposure to fluids or chemicals

PROTECTIVE APPAREL



HALYARD* HI GUARD FULL COVERAGE BOOTS

69571	Adhesive Traction Strips, Blue, Universal	150 boots/case
69671	Adhesive Traction Strips, Blue, XL	
69572	Full Film Coating, Foam Traction Strips, Blue, Universal	120 boots/case
69672	Full Film Coating, Foam Traction Strips, Blue, XL	

- Covers the shoe and lower leg
- Features a plastic film coating
- Traction slips
- Elastic at the ankle
- Ultra-sonically bonded seams



SINGLE USE LINENS

67783	Stretcher Sheet, Blue, 40"x 84"	Bulk, 80/case
67103	Stretcher Sheet, Long, Blue, 40"x 96"	
67963	Flat Top Sheet, Blue, 60"x 96"	Bulk, 30/case
67803	Pillowcase, Blue, 20"x 29"	Bulk, 200/case
67773	Half Sheet, Blue, 40"x72"	Bulk, 90/case

- Complies with standards of flammability testing
- Consumer Product Safety Commission (16CFR PART 1610)
- National Fire Protection Association (NFPA) Standard 702, Rated as Class I

APPENDIX

PURPLE NITRILE* EXAM GLOVES

Tested against 29 Chemo Drugs and 41 Chemicals



29 Chemo Drugs

PURPLE NITRILE* Non-Sterile Exam Gloves are tested for use with Chemotherapy Drugs: Per ASTM D6978

The following chemotherapy drugs and concentration had NO breakthrough detected up to 240 minutes:

Bleomycin sulfate (15 mg/ml)	Dacarbazine (10 mg/ml)	Fludarabine (25 mg/ml)	Mechlorethamine HCL (1 mg/ml)	Rituximab (10 mg/ml)
Busulfan (6 mg/ml)	Daunorubicin HCL (5 mg/ml)	Fluorouracil (50 mg/ml)	Melphalan (5 mg/ml)	Trisenox (0.1 mg/ml)
Carboplatin (10 mg/ml)	Docetaxel (10 mg/ml)	Gemcitabine (38 mg/ml)	Methotrexate (25 mg/ml)	Vincristine Sulfate (1 mg/ml)
Cisplatin (1 mg/ml)	Doxorubicin HCL (2 mg/ml)	Idarubicin (1 mg/ml)	Mitomycin (0.5 mg/ml)	
Cyclophosphamide (20 mg/ml)	Ellence (2 mg/ml)	Ifosfamide (50 mg/ml)	Mitoxantrone (2 mg/ml)	
Cytarabine HCL (100 mg/ml)	Etoposide (20 mg/ml)	Irinotecan (20 mg/ml)	Paclitaxel (6 mg/ml)	

The following chemotherapy drugs and concentration showed breakthrough detected in less than 30 minutes:

Carmustine (3.3 mg/ml): 1.8 minutes **ThioTEPA** (10.0 mg/ml): 1.6 minutes

Warning: Not for Use with: Carmustine, ThioTEPA

Caution: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs.

Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs



41 Chemicals

PURPLE NITRILE* Exam Gloves provide protection against the following chemicals: Per ASTM F739

The following chemicals had breakthrough times as follows:

Adhesive Tape Remover Pads	>132.7 min	Formaldehyde (10%)	> 480 min	Monsel's Solution	> 480 min
Alcoholic Bouin's Fixative	140 min	Formalin Alcohol		OxyCide Concentrate	146.7 min
Alcoholic Eosin	21.3 min	- Tested for Formaldehyde	22.0 min	OxyCide Ready to Use	> 480 min
Bleach	> 480 min	- Tested for Reagent Alcohol	> 480 min	Permaslip Mounting Medium & Liquid Cover Slip	0 min
Bouin's Fixative	> 480 min	Formalin, 10% Buffered		Povidone Iodine (10%)	> 480 min
B-Plus Fixative	> 480 min	- Tested for Formaldehyde	> 480 min	Quaternary Cleaner	> 480 min
CarNoy's Fluid	0 min	- Tested for Methanol	> 480 min	Rapid Bone Decalcifier	> 480 min
Chlorhexidine Gluconate (4%)	> 480 min	Giemsa Stain Solution	13.3 min	Reagent Alcohol	13.3 min
Cidex 14-Day	> 480 min	Glutaraldehyde, 4%	> 480 min	Resert XL HLD	266.7 min
Cidex OPA	213.3 min	Haematoxylin Stain (Harris Solution)	40.0 min	Sodium Hydroxide (40%)	> 480 min
Decalcifier I	> 480 min	Hydrochloric Acid (35.5%)	214.3 min	Sodium Hypochlorite (10 - 13%)	> 480 min
EM Fixative	> 480 min	Hydrogen Peroxide (3%)	> 480 min	Trichloroacetic Acid (10%)	> 480 min
Eosin Stain	80.0 min	Isopropyl Alcohol (70%)	40.3 min	Xylene (99%)	0 min
Ethidium Bromide (0.4%)	> 480 min	Methanol	8 min		
Ethyl Alcohol (95%)	16.0 min	Methyl Methacrylate (Bone Cement)	0 min		

Standard Test Method for Permeation of Liquids and Gases through Protective Clothing materials under Conditions of Continuous Contact

APPENDIX

STERLING* NITRILE EXAM GLOVES

Tested against 52 Chemo Drugs and 7 Chemicals



52 Chemo Drugs

STERLING * Nitrile Powder-Free Exam Gloves are tested for use with Chemotherapy Drugs: Per ASTM D6978

The following chemotherapy drugs and concentration had NO breakthrough detected up to 240 minutes:

Arsenic Trioxide (1.0 mg/ml)	Cytarabine (100.0 mg/ml)	Etoposide (Toposar) (20.0 mg/ml)	Mitomycin C (0.5 mg/ml)	ThioTEPA (10.0 mg/ml)
Azacitidine (25.0 mg/ml)	Cytovene (Ganciclovir) (10.0 mg/ml)	Fludarabine (25.0 mg/ml)	Mitoxantrone (2.0 mg/ml)	Topotecan HCl (1.0 mg/ml)
Bendamustine (5.0 mg/ml)	Dacarbazine (DTIC) (10.0 mg/ml)	Fluorouracil (50.0 mg/ml)	Oxaliplatin (2.0 mg/ml)	Trastuzumab (21.0 mg/ml)
Bleomycin (15.0 mg/ml)	Daunorubicin (5.0 mg/ml)	Fulvestrant (50.0 mg/ml)	Paclitaxel (Taxol) (6.0 mg/ml)	Triclosan (2.0 mg/ml)
Bortezomib (1.0 mg/ml)	Decitabine (5.0 mg/ml)	Gemcitabine (Gemzar) (38.0 mg/ml)	Paraplatin (10.0 mg/ml)	Trisenox (1.0 mg/ml)
Busulfan (6.0 mg/ml)	Docetaxel (10.0 mg/ml)	Idarubicin (1.0 mg/ml)	Pemetrexed Disodium (25.0 mg/ml)	Vinblastine (1.0 mg/ml)
Carboplatin (10.0 mg/ml)	Doxorubicin Hydrochloride (2.0 mg/ml)	Ifosfamide (50.0 mg/ml)	Pertuzumab (30.0 mg/ml)	Vincristine Sulfate (1.0 mg/ml)
Carfilzomib (2.0 mg/ml)	Ellence (2.0 mg/ml)	Irinotecan (20.0 mg/ml)	Raltitrexed (0.5 mg/ml)	Vinorelbine (10.0 mg/ml)
Carmustine (BCNU) (3.3 mg/ml)	Eribitux (2.0 mg/ml)	Mechlorethamine HCl (1.0 mg/ml)	Retrovir (10.0 mg/ml)	Zoledronic Acid (0.8 mg/ml)
Cisplatin (1.0 mg/ml)	Eribulin Mesylate (0.5 mg/ml)	Melphalan (5.0 mg/ml)	Rituximab (10.0 mg/ml)	
Cyclophosphamide (Cytosan) (20.0 mg/ml)		Methotrexate (25.0 mg/ml)	Temsirolimus (25.0 mg/ml)	

Caution: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs.

Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs



7 Chemicals

STERLING* Nitrile Exam Gloves provide protection against the following chemicals: Per ASTM F739

Chemical Tested, Average Breakthrough Detection Time (Minutes)

Ethanol (80%)	2.7	Isopropyl Alcohol (70%)	8.0	Sodium Hypochlorite (10-13%)	> 480
Formalin (Formaldehyde 10%)	> 480	Povidone Iodine (10%)	> 480		
Glutaraldehyde (4%)	> 480	Sodium Hydroxide (40%)	> 480		

Standard Test Method for Permeation of Liquids and Gases through Protective Clothing materials under Conditions of Continuous Contact

APPENDIX

STERLING SG* NITRILE EXAM GLOVES

Tested against 52 Chemo Drugs and 7 Chemicals



52 Chemo Drugs

STERLING SG* Nitrile Powder-Free Exam Gloves are tested for use with Chemotherapy Drugs: Per ASTM D6978

The following chemotherapy drugs and concentration had NO breakthrough detected up to 240 minutes:

Arsenic Trioxide (1.0 mg/ml)	Cytovene (Ganciclovir) (10.0 mg/ml)	Fluorouracil (50.0 mg/ml)	Oxaliplatin (2.0 mg/ml)	Triclosan (2.0 mg/ml)
Azacitidine (25.0 mg/ml)	Dacarbazine (DTIC) (10.0 mg/ml)	Fulvestrant (50.0 mg/ml)	Paclitaxel (Taxol) (6.0 mg/ml)	Trisenox (1.0 mg/ml)
Bendamustine (5.0 mg/ml)	Daunorubicin (5.0 mg/ml)	Gemcitabine (Gemzar) (38.0 mg/ml)	Paraplatin (10.0 mg/ml)	Vinblastine (1.0 mg/ml)
Bleomycin (15.0 mg/ml)	Decitabine (5.0 mg/ml)	Idarubicin (1.0 mg/ml)	Pemetrexed Disodium (25.0 mg/ml)	Vincristine Sulfate (1.0 mg/ml)
Bortezomib (1.0 mg/ml)	Docetaxel (10.0 mg/ml)	Ifosfamide (50.0 mg/ml)	Pertuzumab (30.0 mg/ml)	Vinorelbine (10.0 mg/ml)
Busulfan (6.0 mg/ml)	Doxorubicin HCl (2.0 mg/ml)	Irinotecan (20.0 mg/ml)	Raltitrexed (0.5 mg/ml)	Zoledronic Acid (0.8 mg/ml)
Carboplatin (10.0 mg/ml)	Ellence (2.0 mg/ml)	Mechlorethamine HCl (1.0 mg/ml)	Retrovir (10.0 mg/ml)	
Carfilzomib (2.0 mg/ml)	Eribitux (2.0 mg/ml)	Melphalan (5.0 mg/ml)	Rituximab (10.0 mg/ml)	
Cisplatin (1.0 mg/ml)	Eribulin Mesylate (0.5 mg/ml)	Methotrexate (25.0 mg/ml)	Temsirolimus (25.0 mg/ml)	
Cyclophosphamide (Cytosan) (20.0 mg/ml)	Etoposide (Toposar) (20.0 mg/ml)	Mitomycin C (0.5 mg/ml)	Topotecan HCl (1.0 mg/ml)	
Cytarabine (100.0 mg/ml)	Fludarabine (25.0 mg/ml)	Mitoxantrone (2.0 mg/ml)	Trastuzumab (21.0 mg/ml)	

Warning: Not for Use with: Carmustine, ThioTEPA

Caution: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs.

Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs



5 Chemicals

STERLING SG* Nitrile Exam Gloves provide protection against the following chemicals: Per ASTM F739

Chemical Tested, Average Breakthrough Detection Time (Minutes)

Formalin (10%)	> 480	Hydrogen Peroxide (1.4%)	> 480	Sodium Hydroxide (40%)	> 480
Glutaraldehyde (4%)	> 480	Isopropyl Alcohol (70%)	16.0		

Standard Test Method for Permeation of Liquids and Gases through Protective Clothing materials under Conditions of Continuous Contact

APPENDIX

LAVENDER* NITRILE EXAM GLOVES

Tested against 12 Chemo Drugs and 20 Chemicals



12 Chemo Drugs

LAVENDER* Nitrile Powder-Free Exam Gloves are tested for use with Chemotherapy Drugs: Per ASTM D6978

The following chemotherapy drugs and concentration had NO breakthrough detected up to 240 minutes:

Cisplatin (1.0 mg/ml)

Cyclophosphamide (Cytoxan)
(20 mg/ml)

Dacarbazine (DTIC) (10 mg/ml)

Doxorubicin HCl (2.0 mg/ml)

Etoposide (Toposar) (20 mg/ml)

Fluorouracil (50 mg/ml)

Ifosfamide (50 mg/ml)

Mixtozantrone (2.0 mg/ml)

Paclitaxel (Taxol) (6.0 mg/ml)

Vincristine Sulfate (1.0 mg/ml)

Warning: Not for Use with: Carmustine, ThioTEPA

Caution: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs.

Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs



20 Chemicals

LAVENDER* Nitrile Exam Gloves provide protection against the following chemicals: Per ASTM F739

Chemical Tested, Average Breakthrough Detection Time (Minutes)

Acetaldehyde (99%)	0	Glutaraldehyde (4%)	> 480	Perchloric Acid (70%)	7.7
Acetic Acid , Glacia	3.3	Hexane (95%)	8.0	Phenol (10%)	0
Acetonitrile (99.9%)	0	Hydrofluoric Acid (48%)	4.7	Povidone Iodine (10%)	> 480
Chloroform (99.8%)	0	Hydrogen Peroxide (30%)	0	Quaternary Cleaner	> 480
Ethanol (80%)	5.3	Isopropyl Alcohol (70%)	8.0	Sulfuric Acid (50%)	> 480
Ethyl Acetate (99.8%)	0	Methylene Chloride (99.8%)	0	Sulfuric Acid (95%)	2.0
Formalin (10%)	> 480	Nitric Acid (70%)	1.7		

Standard Test Method for Permeation of Liquids and Gases through Protective Clothing materials under Conditions of Continuous Contact

APPENDIX

AQUASOFT* NITRILE EXAM GLOVES

Tested against 36 Chemo Drugs and 7 Chemicals



36 Chemo Drugs

AQUASOFT* Nitrile Powder-Free Exam Gloves are tested for use with Chemotherapy Drugs: Per ASTM D6978

The following chemotherapy drugs and concentration had NO breakthrough detected up to 240 minutes:

Arsenic Trioxide (Trisenox) (1.0 mg/ml)	Cyclophosphamide (Cytoxan) (20.0 mg/ml)	Epirubicin (Ellence) (2.0 mg/ml)	Irinotecan (20.0 mg/ml)	Paraplatin (10.0 mg/ml)
Bleomycin (15.0 mg/ml)	Cyclosporine (100.0 mg/ml)	Etoposide (Toposar) (20.0 mg/ml)	Mechlorethamine HCl (1.0 mg/ml)	Retrovir (10.0 mg/ml)
Bortezomib (Velcade) (1.0 mg/ml)	Cytarabine (100.0 mg/ml)	Fludarabine (25.0 mg/ml)	Melphalan (5.0 mg/ml)	Rituximab (Rituxan) (10.0 mg/ml)
Busulfan (6.0 mg/ml)	Dacarbazine (DTIC) (10.0 mg/ml)	Fluorouracil (50.0 mg/ml)	Methotrexate (25.0 mg/ml)	Topotecan HCl (1.0 mg/ml)
Carboplatin (10.0 mg/ml)	Daunorubicin (5.0 mg/ml)	Gemcitabine (Gemzar) (38.0 mg/ml)	Mitomycin C (0.5 mg/ml)	Vincristine Sulfate (Oncovin) (1.0 mg/ml)
Chloroquine (50.0 mg/ml)	Docetaxel (10.0 mg/ml)	Idarubicin (1.0 mg/ml)	Mitoxantrone (2.0 mg/ml)	
Cisplatin (1.0 mg/ml)	Doxorubicin HCl (2.0 mg/ml)	Ifosfamide (IFEX) (50.0 mg/ml)	Oxaliplatin (2.0 mg/ml)	
			Paclitaxel (Taxol) (6.0 mg/ml)	

Warning: Not for Use with: Carmustine, ThioTEPA

Caution: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs.

Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs



7 Chemicals

AQUASOFT* Nitrile Exam Gloves provide protection against the following chemicals: Per ASTM F739

Chemical Tested, Average Breakthrough Detection Time (Minutes)

Ethanol (80%)	2.7	Hydrogen Peroxide (30%)	0	Quaternary Cleaner	> 480 min
Formalin (10%)	> 480	Isopropyl Alcohol (70%)	18.7		
Glutaraldehyde (4%)	> 480	Povidone Iodine (10%)	> 480		

Standard Test Method for Permeation of Liquids and Gases through Protective Clothing materials under Conditions of Continuous Contact

For more information, please visit:

www.halyardhealth.sg

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