

Barrier Ratings and Guides:

These barrier ratings are based on general laboratory evaluations, and are in accordance with the current revision of ASTM F 739. They are intended as a guide to help in ensuring safety in the healthcare environment.

The suitability of a product for a specific job must be determined by specific testing as the data herein reflects laboratory performance of partial gloves and not necessarily the complete unit.

Anyone intending to use the suggestions contained in this publication should first verify that the glove selected is suitable for the intended use and meets all appropriate health standards.

KEY TO DEGRADATION RATING

 **Preferred Protection** - Little or no degradation or permeation.

 **Good Protection** - Minimal degradation; permeation should not occur in less than 30 minutes.

 **Fair Protection** - Degradation may occur, and/or some chemical is likely to permeate the glove in less than 30 minutes.

 **Limited Protection** - Degradation is likely to occur; some chemical will probably permeate or penetrate the glove in less than 5 minutes.

 **Not Recommended** - Severe degradation and permeation is likely.

 **Not Rated** - Insufficient data is available to make a recommendation.

CHEMICAL RESISTANCE GUIDE

GLOVE-TYPE	LATEX	NEOPRENE	NITRILE	VINYL
				

LEVEL OF BARRIER PROTECTION

Acetic Acid, Glacial	 Good Protection	 Preferred Protection	 Good Protection	 Fair Protection
Acetone	 Limited Protection	 Limited Protection	 Not Recommended	 Not Recommended
Ammonium Hydroxide, Conc.	 Good Protection	 Good Protection	 Good Protection	 Good Protection
Blood / Body Fluid	 Good Protection	 Good Protection	 Good Protection	 Fair Protection
Cationic Detergent	 Good Protection	 Good Protection	 Good Protection	 Good Protection
Caustic Soda	 Good Protection	 Good Protection	 Good Protection	 Good Protection
Chlorhexidine Solutions	 Limited Protection	 Fair Protection	 Preferred Protection	 Not Recommended
Chloroform	 Not Recommended	 Not Recommended	 Not Recommended	 Not Recommended
Cidex OPA Solution	 Good Protection	 Not Recommended	 Good Protection	 Not Recommended
Citric Acid, 10%	 Good Protection	 Good Protection	 Good Protection	 Good Protection
Detergents	 Good Protection	 Good Protection	 Good Protection	 Not Rated
Diguanide	 Good Protection	 Good Protection	 Good Protection	 Not Rated
Dimethyl Sulfoxide	 Good Protection	 Preferred Protection	 Good Protection	 Not Recommended
Ethyl Alcohol (Ethanol)	 Limited Protection	 Fair Protection	 Preferred Protection	 Good Protection
Ethyl Ether	 Not Recommended	 Limited Protection	 Fair Protection	 Not Recommended
Formaldehyde (Formalin)	 Limited Protection	 Fair Protection	 Preferred Protection	 Limited Protection
Glutaraldehyde, 2% - 25%	 Good Protection	 Not Rated	 Good Protection	 Good Protection
Hydrochloric Acid, 10%	 Good Protection	 Good Protection	 Good Protection	 Fair Protection
Hydrogen Peroxide, 30%	 Good Protection	 Not Recommended	 Good Protection	 Good Protection
Hypochlorinate, 3% - 15%	 Fair Protection	 Good Protection	 Fair Protection	 Not Rated
Iodine	 Good Protection	 Good Protection	 Good Protection	 Good Protection
Povidone Iodine	 Preferred Protection	 Good Protection	 Good Protection	 Not Rated
Isopropyl Alcohol (Isopropanol)	 Limited Protection	 Good Protection	 Good Protection	 Limited Protection
Lactic Acid	 Good Protection	 Good Protection	 Good Protection	 Good Protection

Mercury	Not Rated	Not Rated	Preferred Protection	Not Rated
Methylated Spirits	Limited Protection	Fair Protection	Preferred Protection	Not Rated
Mineral Oil	Not Recommended	Good Protection	Preferred Protection	Not Rated
Oleic Acid	Fair Protection	Fair Protection	Preferred Protection	Fair Protection
Phenol, 90%	Limited Protection	Good Protection	Not Recommended	Fair Protection
Phenolic Disinfectant (Typical)	Good Protection	Good Protection	Good Protection	Good Protection
Phosphoric Acid, 35%	Good Protection	Good Protection	Good Protection	Good Protection
Sodium Chloride (Saline Solution)	Good Protection	Good Protection	Good Protection	Good Protection
Sodium Hydroxide, 50%	Good Protection	Good Protection	Good Protection	Good Protection
Sodium Hypochlorite (To 15%)	Fair Protection	Good Protection	Fair Protection	Not Rated
Sodium Nitrate Solutions	Good Protection	Good Protection	Good Protection	Not Rated
Triclosan (Irgasan DP 300)	Fair Protection	Fair Protection	Fair Protection	Not Rated
Triethanolamine, 85%	Fair Protection	Good Protection	Good Protection	Not Rated
Urea	Good Protection	Good Protection	Good Protection	Not Rated

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