

# Chemical Compatibility Guide for: SHOWA 879/R Butyl Gloves

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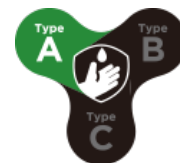
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# SHOWA 879R 879R

Material **Butyl** LENGTH 14 in. / 350mm



## CHEMICAL PERMEATION

CHEMICAL NAME	CAS NUMBER	BDT	
		TTL ASTM F739	INT ASTM F1383
Formaldehyde 37%	50-00-0	>480	>240
2-Hydroxypropionic acid 85%	50-21-5	>480	>240
Carbon Tet	56-23-5	>30	NT
Urea (s) 35%	57-13-6	>480	>240
Urea (s) 99%	57-13-6	>480	>240
Urea (s) 62%	57-13-6	>480	>240
Ethanol	64-17-5	>480	>240
Acetic Acid 10%	64-19-7	>480	>240
Acetic Acid 25%	64-19-7	>480	>240
Acetic Acid 5%	64-19-7	>480	>240
Benzoic Acid (s) 99%	65-85-0	>480	>240
Methanol	67-56-1	>480	>240
2-Propanol	67-63-0	>480	>240
2-Propanone	67-64-1	>480	>240
Chloroform	67-66-3	>10	NT
Salicylic acid (s) 99%	69-72-7	>480	>240
n-Propanol	71-23-8	>480	>240
Butanol	71-36-3	>480	>240
Alcohol, Amyl	71-41-0	>480	>240
Acetonitrile	75-05-8	>480	>240
Citric Acid 75%	77-92-9	>480	>240
Citric Acid 99%	77-92-9	>480	>240
Citric Acid 30%	77-92-9	>480	>240
Citric Acid 50%	77-92-9	>480	>240
2-Butanol	78-83-1	>480	>240

2-Butanone	78-93-3	>240	>240
2-Propenamide 98%	79-06-1	≥480	>240
2-Propenamide 50%	79-06-1	≥480	>240
Alcohol, Benzyl	100-51-6	≥480	>240
Acrylonitrile	107-13-1	≥480	>240
1,2-Ethanediol	107-21-1	≥480	>240
Methyl Propyl Ketone	107-87-9	>120	NT
2-Pentanone, Methyl-	108-10-1	>240	>240
Benzene, Methyl	108-88-3	>10	>10
Cyclohexanone	108-94-1	≥480	>240
Pentane	109-66-0	>10	NT
Diethylamine	109-89-7	>10	NT
Diethylene Glycol	111-46-6	≥480	>240
n-Octanol	111-87-5	≥480	>240
3-Methyl-1-butanol	123-51-3	≥480	>240
Dimethylamine 40%	124-40-3	>60	NT
Butyl Acrylate	141-32-2	>120	NT
Ethyl Acetate	141-78-6	>120	NT
OXALIC ACID (s) 99%	144-62-7	≥480	>240
Calcium Carbonate (s) 99%	471-34-1	≥480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 1%	1239-45-8	≥480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 10%	1239-45-8	≥480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 5%	1239-45-8	≥480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 95%	1239-45-8	≥480	>240
Calcium Hydroxide (s) 95%	1305-62-0	≥480	>240
Iron Oxide (s) 99%	1309-37-1	≥480	>240
Caustic Potash 45%	1310-58-3	≥480	>240
Caustic Potash 20%	1310-58-3	≥480	>240
Caustic Potash 10%	1310-58-3	≥480	>240
Caustic Potash 30%	1310-58-3	≥480	>240
Caustic Potash 99%	1310-58-3	≥480	>240
Caustic Soda 20%	1310-73-2	≥480	>240
Caustic Soda 50%	1310-73-2	≥480	>240
Caustic Soda 30%	1310-73-2	≥480	>240
Caustic Soda 40%	1310-73-2	≥480	>240
Caustic Soda 10%	1310-73-2	≥480	>240
Caustic Soda 98%	1310-73-2	≥480	>240

dimethyl benzene	1330-20-7	>10	NT
Chromic Acid Solution 99%	1333-82-0	≤480	>240
Ammonia Solution 25%	1336-21-6	≤480	>240
Ammonia Solution 10%	1336-21-6	≤480	>240
Ammonia Solution 32%	1336-21-6	≤480	>240
Ammonia Solution 29%	1336-21-6	≤480	>240
Gallotannin 95%	1401-55-4	≤480	>240
Aluminum Chloride (s) 98%	7446-70-0	≤480	>240
Potassium Chloride (s) 99%	7447-40-7	≤480	>240
Muriatic Acid 32%	7647-01-0	≤480	>240
Hydrochloric Acid 37%	7647-01-0	≤480	>240
Hydrochloric Acid 10%	7647-01-0	≤480	>240
Muriatic Acid 20%	7647-01-0	≤480	>240
Sodium Chloride (s) 99%	7647-14-5	≤480	>240
Phosphoric Acid 10%	7664-38-2	≤480	>240
Phosphoric Acid 50%	7664-38-2	≤480	>240
Phosphoric Acid 85%	7664-38-2	≤480	>240
Hydrofluoric Acid 48%	7664-39-3	≤480	>240
Hydrogen Fluoride(gas) 99%	7664-39-3	≤480	>240
Hydrofluoric Acid 10%	7664-39-3	≤480	>240
Hydrofluoric Acid 20%	7664-39-3	≤480	>240
Hydrofluoric Acid 40%	7664-39-3	≤480	>240
Hydrofluoric Acid 30%	7664-39-3	≤480	>240
Battery Acid 47%	7664-93-9	≤480	>240
Battery Acid 10%	7664-93-9	≤480	>240
Battery Acid 70%	7664-93-9	≤480	>240
Battery Acid 25%	7664-93-9	≤480	>240
Battery Acid 50%	7664-93-9	≤480	>240
Bleach: Sodium Hypochlorite 6%	7681-52-9	≤480	>240
Bleach: Sodium Hypochlorite 12%	7681-52-9	≤480	>240
Nitric Acid 23%	7697-37-2	≤480	>240
Nitric Acid 35%	7697-37-2	≤480	>240
Nitric Acid 50%	7697-37-2	≤480	>240
Nitric Acid 10%	7697-37-2	≤480	>240
Iron Chloride (s) 98%	7758-94-3	≤480	>240
Iron Chloride Solution 45%	7758-94-3	≤480	>240
Iron Sulfate (s) 99%	7782-63-0	≤480	>240

Hydrobromic Acid 48%	10035-10-6	>480	>240
Boric acid (s) 99%	10043-35-3	>480	>240
Calcium Chloride (s) 96%	10043-52-4	>480	>240
Talc (s) 99%	14807-96-6	>480	>240
Antimony Tributylate 95%	53856-17-0	>480	>240
Mineral Spirits (White Spirits Type 0)	64742-88-7	>60	NT
Naphtha, light aromatic	64742-95-6	>30	NT

### BDT=BREAKTHROUGH DETECTION TIME

THE LEVEL (0 TO 6) INDICATES THE TIME REQUIRED FOR DIFFERENT CHEMICALS TO PERMEATE THROUGH THE GLOVE.  
 TTL : TOTAL IMMERSION CHEMICAL PERMEATION BREAKTHROUGH TIME.  
 INT : INTERMITTENT CONTACT CHEMICAL PERMEATION BREAKTHROUGH TIME, ONE MINUTE IMMERSION OUT OF EVERY TEN, REPEATEDLY.

### Warranty Limitations and Disclaimer Use

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