

Chemical Compatibility Guide for: **SHOWA N-DEX[®] Disposable Nitrile Gloves**

The guide on the following page(s) was provided by the supplier. New Pig Corporation assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.



New Pig

One Pork Avenue
Tipton, PA 16684-0304

newpig.com

North America: **1-800-468-4647**

Europe: **+31 (0)76 596 92 50**

China: **+86-21-400 921 5178**

UK: **0800 919 900**

Outside North America: **+1-814-684-0101**

PIG, PIG logo are registered trademarks in USA and other countries. See tm.newpig.com

363049

TTL: ASTM F739 Immersion/Constant Contact Scenario

INT: ASTM F-1383 Intermittent/Splash Contact Scenario

<u>B6005PF, 6005PF, 6050PF, 6110PF, 6112PF, 7005, 7005PF, 7500PF, 7505PF, 7540, 7545, 7550, 7555</u>			
			Standardized
			(0.1 ug/cm ² /min ⁻¹)
		ASTM F739	ASTM F-1383
		BT	BT
Chemical	CAS Number	(minutes)	(minutes)
Acetaldehyde	75-07-0	< 1	< 1
Acetic Acid, 5%	64-19-7	>480	>240
Acetic Acid, 10%	64-19-7	>480	>240
Acetic Acid, 25%	64-19-7	248	>240
Acetic Acid, 50%	64-19-7	75	87
Acetic Acid, 84%	64-19-7	4	20
Acetic Acid, 99%	64-19-7	3	6
Acetone	67-64-1	< 1	< 1
Acetonitrile	75-05-8	< 1	< 1
Acetophenone	98-86-2	< 1	< 1
Acetoxyacetyl Chloride	13831-31-7	2	2
Acetyl Chloride	75-36-5	< 1	NT
Acrylamide, 50%	79-06-1	>480	>240

Acrylamide (s), >98%	79-06-1	>480	>240
Acrylic Acid	79-10-7	2	2
Acrylonitrile	107-13-1	< 1	< 1
Allyl Alcohol	107-18-6	4	4
Ammonium Fluoride, 40%	12125-01-8	>480	>240
Ammonium Hydroxide, 10%	1336-21-6	34	NT
Ammonium Hydroxide, 25%	1336-21-6	16	NT
Ammonium Hydroxide, 29%	1336-21-6	15	NT
Ammonium Hydroxide, 32%	1336-21-6	13	NT
Ammonia, anhydrous (gas)	7664-41-7	< 1	< 1
Amyl Acetate	628-63-7	< 1	< 1
Amyl Alcohol	71-41-0	23	26
Aniline	62-53-3	3	3
Antimony Tributylate (s), 95%	53856-17-0	>480	>240
Benzaldehyde	100-52-7	1	1
Benzene	71-43-2	< 1	< 1
Benzoic Acid (s), 99%	65-85-0	>480	>240
Benzyl Alcohol	100-51-6	< 1	< 1
Boric acid (s), > 99%	10043-35-3	>480	>240
Bromine	7726-95-6	< 1	< 1
Bromoethyl acetate, 2-	927-68-4	1	1
Bromoform	75-25-2	< 1	< 1
Butanol, 1-	71-36-3	33	53
Butyl Acetate	123-86-4	1	1
Butyl Acrylate	141-32-2	1	1
Butyl Toluene, p-tert	98-51-1	7	14
Butylamine	109-73-9	< 1	< 1
Carbon Disulfide	75-15-0	< 1	< 1
Carbon Tetrachloride	56-23-5	9	26
Calcium Carbonate (s), >99%	471-34-1	>480	>240
Calcium Chloride (s), >96%	10043-52-4	>480	>240
Calcium Hydroxide (s), >95%	1305-62-0	>480	>240
Chlorine (Gas)	7782-50-5	< 1	< 1
Chloroacetic Acid, 80%	79-11-8	50	NT
Chlorobenzene	108-90-7	< 1	< 1

Chloroform	67-66-3	< 1	< 1
Chromic Acid, 50%	1333-82-0	< 1	NT
Chromium (VI) oxide (s), 99%	1333-82-0	>480	>240
Citric Acid, 30%	77-92-9	>480	>240
Citric Acid, 50%	77-92-9	>480	>240
Citric Acid, Saturated, >75%	77-92-9	>480	>240
Citric Acid (s), 99%	77-92-9	>480	>240
Cresols	1319-77-3	< 1	< 1
Cumene	98-82-8	1	1
Cyclohexane	110-82-7	88	> 240
Cyclohexanol	108-93-0	54	157
Cyclohexanone	108-94-1	1	1
Denacol EX-521	118549-88-5	>480	>240
Diacetone Alcohol	123-42-2	< 1	< 1
Dibutyl Phthalate	84-74-2	50	55
Dichlorobenzene, 1,2-	95-50-1	< 1	< 1
Dichloroethane, 1,2-	107-06-2	< 1	< 1
Dichloroethylene, 1,1-	75-35-4	< 1	< 1
Dichloropropane, 1,2-	78-87-5	< 1	< 1
Diesel Fuel #2	68476-34-6	> 480	> 240
Diesel Oil	68334-30-5	> 480	> 240
Diethanolamine	111-42-2	15	18
Diethylamine	109-89-7	< 1	< 1
Diethyl Ether	60-29-7	< 1	< 1
Diisobutyl Ketone	108-83-8	9	11
Dimethylformamide-N, N	68-12-2	1	1
Dimethyl sulfate	77-78-1	2	2
Dimethylacetamide, N,N-	127-19-5	1	1
Dimethylamine, 40%	124-40-3	1	1
Dimethyl-1,3-diaminopropane, n-n	109-55-7	< 1	< 1
Dimethylsulfoxide	67-68-5	6	7
Dioxane, 1,4-	123-91-1	1	1
Divinylbenzene	1321-74-0	2	2
Epichlorohydrin	106-89-8	< 1	< 1
Ethanol	64-17-5	8	15
Ethanolamine	141-43-5	2	2

Ethidium Bromide, 1%	1239-45-8	>480	>240
Ethidium Bromide, 5%	1239-45-8	>480	>240
Ethidium bromide, 10%	1239-45-8	>480	>240
Ethidium Bromide (s), 95%	1239-45-8	>480	>240
Ethyl Acetate	141-78-6	< 1	< 1
Ethyl Benzene	100-41-4	1	1
Ethyl Butanol	97-95-0	< 1	< 1
Ethylamine solution, 70%	75-04-7	< 1	< 1
Ethylene Dichloride	107-06-2	<1	< 1
Ethylene Glycol	107-21-1	>480	>240
Ethylene Glycol Butyl Ether	111-76-2	16	22
Ethylene Oxide (g)	75-21-8	< 1	< 1
Ethylenediamine, 99%	107-15-3	< 1	< 1
Everest 3.0 AG Herbicide	mixture	12	NT
Formaldehyde, 37%	50-00-0	18	21
Formic Acid, 90%	64-18-6	< 1	< 1
Furfural	98-01-1	< 1	< 1
Gasoline (Premium Unleaded)	8032-32-4	7	43
Gasoline (Regular Unleaded)	8006-61-9	7	43
Glutaraldehyde solution, 50%	111-30-8	30	100
Heptane	142-82-5	222	> 240
Hexamethyldisilazane	999-97-3	> 480	> 240
Hexane	110-54-3	79	> 240
Hexene	592-41-6	8	15
Hydrobromic Acid, 48%	10035-10-6	>480	>240
Hydrochloric Acid, 10%	7647-01-0	>480	>240
Hydrochloric Acid, 20%	7647-01-0	>480	>240
Hydrochloric Acid, 32%	7647-01-0	>480	>240
Hydrochloric Acid, 37%	7647-01-0	116	>240
Hydrofluoric Acid, 30%	7664-39-3	16	NT
Hydrofluoric Acid, 40%	7664-39-3	9	NT
Hydrofluoric Acid, 48%	7664-39-3	5	NT
Hydrogen Fluoride, 99% (g)	7664-39-3	< 1	< 1
Hydrogen peroxide solution, 3%	7722-84-1		
Hydrogen peroxide solution, 6%	7722-84-1		
Hydrogen peroxide solution, 10%	7722-84-1		

Hydrogen peroxide solution, 30%	7722-84-1		
Hydrogen peroxide solution, 50%	7722-84-1	11 to 30	NT
Hydroxylamine, 50%	7803-49-8	>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
Isoamyl Acetate	123-92-2	< 1	< 1
Isoamyl Alcohol	123-51-3	30	33
Isobutanol	78-83-1	>480	>240
Isooctane	540-84-1	103	> 240
Isopropyl Acetate	108-21-4	1	1
Isopropyl Alcohol	67-63-0	44	63
Jet A	mixture	>480	>240
Kerosene (Fuel Oil # 2)	68476-30-2	>480	>240
Kerosene (odorless)	8008-20-6	>480	>240
Kerosine (hydrodesulfurized)	64742-81-0	> 480	> 240
Lactic Acid, 85%	50-21-5	> 480	> 240
Limonene, D-	5989-27-5	3	3
Methacrylic Acid, 99%	79-41-4	5	NT
Methanol	67-56-1	2	3
Methyl Acetate	79-20-9	< 1	< 1
Methyl Chloride (g)	74-87-3	< 1	< 1
Methyl Ethyl Ketone	78-93-3	< 1	< 1
Methyl Ethyl Ketoxime	96-29-7	38	40
Methyl Iodide	74-88-4	< 1	< 1
Methyl Isobutyl Ketone	108-10-1	<1	1
Methyl Isopropyl Ketone	563-80-4	1	1
Methyl Methacrylate	80-62-6	2	2
Methyl Propyl Ketone	107-87-9	< 1	< 1
Methylamine, 40%	74-89-5	< 1	< 1
Methylene Chloride	75-09-2	< 1	< 1
Methyl tert-butyl ether	1634-04-4	5	6
Mineral Spirits (Dearomatized)	64742-47-8	> 480	>240
Mineral Spirits (odorless)	68551-17-7	> 480	>240
Mineral Spirits (White Spirits Type 1)	64475-85-0	> 480	>240
Mineral Spirits (White Spirits Type 0)	64742-88-7	> 480	>240

Morpholine	110-91-8	< 1	< 1
Naphtha, light aromatic	64742-95-6	4	1
Naphtha, heavy aromatic	64742-94-5	< 1	< 1
Ninhydrin (s)	485-47-2	> 480	>240
Nitric Acid, 10%	7697-37-2	> 480	>240
Nitric Acid, 23%	7697-37-2	288	>240
Nitric Acid, 35%	7697-37-2	167	167
Nitric Acid, 50%	7697-37-2	9	29
Nitric Acid, 65%	7697-37-2	1	1
Nitric Acid, 70%	7697-37-2	< 1	< 1
Nitrobenzene	98-95-3	1	1
Nitromethane	75-52-5	< 1	< 1
Nitropropane	79-46-9	< 1	< 1
N-Methyl-2-pyrrolidone	872-50-4	3	3
Octane	111-65-9	285	>240
Octanol	111-87-5	14	16
Oleic Acid	112-80-1	> 480	> 240
Oleum (20% Free SO3)	8014-95-7	< 1	< 1
Oxalic Acid (s), 99%	144-62-7	> 480	>240
Pentane	109-66-0	52	173
Pentachloropropane	23153-23-3	3	4
Peracetic acid solution, 39%	79-21-0	< 1	NT
Petroleum Benzine	64742-49-0	11	32
Petroleum Ether	68476-50-6	2	2
Phenol, 10%	108-95-2	3	3
Phenol, > 89%	108-95-2	3	3
Phenol, ~100% (s)	108-95-2	10	10
Phosphoric Acid, 10%	7664-38-2	>480	>240
Phosphoric Acid, 50%	7664-38-2	>480	>240
Phosphoric Acid, 85%	7664-38-2	> 480	>240
Potassium Chloride (s), 99%	7447-40-7	> 480	>240
Potassium Hydroxide, 10%	1310-58-3	> 480	>240
Potassium Hydroxide, 20%	1310-58-3	>480	>240
Potassium Hydroxide, 30%	1310-58-3	>480	>240
Potassium Hydroxide, 45%	1310-58-3	> 480	>240
Potassium Hydroxide (s), 99%	1310-58-3	> 480	>240

Propanediamine, N,N'-Dimethyl	109-55-7	2	2
Propanol, 1-	71-23-8	19	28
Propyl Acetate	109-60-4	< 1	< 1
Propylene Glycol	57-55-6	> 480	> 240
Propylene Glycol Monobutyl Ether	5131-66-8	37	37
Propylene Glycol Monomethyl Ether	107-98-2	8	12
Propylene Glycol Monomethyl Ether Acetate	108-65-6	4	4
Propylene Glycol Monopropyl Ether	1569-01-3	10	13
Propylene Oxide	75-56-9	< 1	< 1
Pyridine	110-86-1	< 1	< 1
Salicylic acid (s), 99%	69-72-7	>480	>240
Sodium Chloride (s), 99%	7647-14-5	>480	>240
Sodium Hydroxide, 10%	1310-73-2	>480	>240
Sodium Hydroxide, 20%	1310-73-2	>480	>240
Sodium Hydroxide, 30%	1310-73-2	>480	>240
Sodium Hydroxide, 40%	1310-73-2	> 480	>240
Sodium Hydroxide, 50%	1310-73-2	> 480	>240
Sodium Hydroxide (s), 98%	1310-73-2	>480	>240
Sodium Hypochlorite, 6%	7681-52-9	>480	>240
Sodium Hypochlorite, 12%	7681-52-9	>480	>240
Stoddard Solvent	8052-41-3	109	> 240
Styrene	100-42-5	< 1	< 1
Sulfuric Acid, 10%	7664-93-9	> 480	>240
Sulfuric Acid, 25%	7664-93-9	> 480	>240
Sulfuric Acid, 47%	7664-93-9	> 480	>240
Sulfuric Acid, 50%	7664-93-9	> 480	>240
Sulfuric Acid, 70%	7664-93-9	61	201
Sulfuric Acid, 93%	7664-93-9	8	10
Sulfuric Acid, 96%	7664-93-9	8	10
Talc (s), >99%	14807-96-6	>480	>240
Tannic Acid (s), 95%	1401-55-4	> 480	>240
Tetrachloroethylene	127-18-4	1	1
Tetrachloropropene	10436-39-2	1	1
Tetrahydrofuran	109-99-9	< 1	< 1
Tetramethylammonium Hydroxide, 25%	75-59-2	221	NT
Toluene	108-88-3	< 1	< 1

Toluidine, O-	95-53-4	< 1	< 1
Trichlorobenzene, 1,2,4-	120-82-1	< 1	< 1
Trichloroethylene	79-01-6	< 1	< 1
Tricresyl Phosphate	1330-78-5	63	64
Triethanolamine	102-71-6	7	21
Triethylamine	121-44-8	7	23
Triethylene Glycol Monobutyl Ether	143-22-6	5	6
Triethylene Glycol Monoethyl Ether	112-50-5	2	2
Triethylene Glycol Monomethyl Ether	112-35-6	1	1
Trimethyl Phosphate	512-56-1	2	NT
Trimethylbenzene	95-63-6	1	1
Turpentine	8006-64-2	55	148
Urea (s), 99%	57-13-6	>480	>240
Vinyl Acetate	108-05-4	< 1	< 1
Vinyl Pyrrolidinone	88-12-0	< 1	< 1
Xylene	1330-20-7	1	1