

Chemical Compatibility Guide for: **SHOWA Nitri-Solve[®] 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

363050

NT= Not Tested

ASTM F739: Immersion/Constant Contact Scenario (>480 min max)

ASTM F-1383: Intermittent/Splash Contact Scenario (>240 min max)

707D/707FL

| <u>Chemical</u> | <u>CAS Number</u> | ASTM F739 | ASTM F-1383 |
|-------------------------------|-------------------|------------------------|------------------------|
| | | BT <u>(minutes)</u> | BT <u>(minutes)</u> |
| Acetic Acid, 5% | 64-19-7 | >480 | >240 |
| Acetic Acid, 10% | 64-19-7 | >480 | >240 |
| Acetic Acid, 25% | 64-19-7 | >480 | >240 |
| Acetic Acid, 50% | 64-19-7 | 403 | >240 |
| Acetic Acid, 84% | 64-19-7 | 21 | 60 |
| Acetic Acid, 99% | 64-19-7 | 7 | 15 |
| Acetone | 67-64-1 | <1 | <1 |
| Ammonium Hydroxide, 25% | 1336-21-6 | 58 | NT |
| Aniline | 62-53-3 | 19 | NT |
| Carbon Tetrachloride | 56-23-5 | >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 |
| Cyclohexane | 110-82-7 | >480 | >240 |
| Cyclohexanone | 108-94-1 | 15 | NT |
| Dichloropropane, 1,2- | 78-87-5 | 5 | NT |
| Diisobutyl Ketone | 108-83-8 | 88 | NT |
| Dimethylformamide-N, N | 68-12-2 | 2 | NT |
| Dimethylsulfoxide | 67-68-5 | 43 | NT |

| | | | |
|--|------------|-------|-------|
| Ethanol | 64-17-5 | 108 | NT |
| Ethyl Acetate | 141-78-6 | 5 | NT |
| Ethylene Glycol Butyl Ether | 111-76-2 | 228 | NT |
| Formaldehyde, 37% | 50-00-0 | >480 | >240 |
| Heptane | 142-82-5 | >480 | >240 |
| Hexane | 110-54-3 | >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 | >480 | >240 |
| Hydrofluoric Acid, 40% | 7664-39-3 | 45 | NT |
| Hydrofluoric Acid, 48% | 7664-39-3 | 20 | NT |
| Isopropyl Alcohol | 67-63-0 | >480 | >240 |
| Kerosine (hydrodesulfurized) | 64742-81-0 | >480 | >240 |
| Methanol | 67-56-1 | 12 | NT |
| Mineral Spirits (White Spirits Type 0) | 64742-88-7 | >480 | >240 |
| Nitric Acid, 10% | 7697-37-2 | >480 | >240 |
| Nitric Acid, 23% | 7697-37-2 | >480 | >240 |
| Nitric Acid, 35% | 7697-37-2 | >480 | >240 |
| Nitric Acid, 50% | 7697-37-2 | 58 | 60 |
| Nitric Acid, 65% | 7697-37-2 | 14 | 20 |
| Nitric Acid, 70% | 7697-37-2 | 8 | 10 |
| Octane | 111-65-9 | >480 | >240 |
| Pentane | 109-66-0 | >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 |
| 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, 99% (s) | 1310-58-3 | > 480 | > 240 |
| Propanol, n- | 71-23-8 | >120 | >120 |
| Propylene Glycol Monobutyl Ether | 5131-66-8 | >480 | >240 |
| Propylene Glycol Monomethyl Ether | 107-98-2 | >30 | >30 |
| 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 |
| 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 | 335 | >240 |
| Sulfuric Acid, 93% | 7664-93-9 | 44 | 50 |
| Sulfuric Acid, 96% | 7664-93-9 | 44 | 50 |
| Tetrachloroethylene | 127-18-4 | 56 | NT |
| Toluene | 108-88-3 | 10 | 10 |
| Xylene | 1330-20-7 | 24 | NT |

The information provided in this chart is intended to help you determine the general suitability of SHOWA gloves in the end-user's particular application. It is the responsibility of the purchaser and/or user to determine the level of toxicity of the materials to be handled and to select the proper glove suitable for a particular application. The information provided reflects laboratory performance of gloves under carefully controlled conditions. SHOWA makes no guarantee of results and assumes no obligation or liability in connection with this information.