

CIA292 Chemical Handling Chart

Premium Double-Dipped PVC-Nitrile Supported Gloves with Chemical Handling and Cut, Impact, Abrasion and Puncture Resistance

Chemical	ANSI Rating	PVC/Nitrile
Acetic Acid 30-70%	4	1-4 hr
Acetic Anhydride	0	NR
Acetone	0	NR
Acetonitrile	0	NR
Acetophenone	0	NR
Acrylamide 30-70%	5	>4 hr
Acrylonitrile	0	NR
Allyl Alcohol	0	NR
Ammonium Hydroxide <30%	5	>4 hr
Ammonium Hydroxide 30-70%	4	1-4 hr
Aniline	0	NR
Aqua Regia	4	1-4 hr
Battery Acid	5	>4 hr
Benzene	0	NR
Benzyl Alcohol	0	NR
Bisphenol A Diglycidyl Ether	0	NR
Bromopropane	0	NR
Butane Gas	0	NR
Butanol, n-	4	1-4 hr
Calcium Hydroxide	6	>8 hr
Carbon Tetrachloride	0	NR
Cellosolve Acetate	0	NR
Cellosolve Solvent	0	NR
Chloroacetic Acid >70%	0	NR
Chloroform	0	NR
Chlorosulfonic Acid	0	NR
Chromic Acid 30-70%	5	>4 hr
Copper Sulfate	6	>8 hr
Creosote	0	NR
Cresols Isomeric Mixture	4	1-4 hr
Crude Oil	0	NR
Cyclohexane	0	NR
Cyclohexanol	6	>8 hr
Cyclohexanone	0	NR
Dichloromethane	0	NR
Diesel Fuel	5	>4 hr
Diethanolamine	6	>8 hr
Diethyl Phthalate	0	NR
Diethylamine	0	NR
Diethylbenzene	0	NR
Diisobutyl Ketone	0	NR
Dimethyl Sulfate	0	NR
Dimethyl Sulfoxide	0	NR
Dimethylacetamide	0	NR
Dimethylformamide	0	NR
Dioctyl Phthalate	0	NR
Divinylbenzene	0	NR
Epichlorohydrin	0	NR
Ethanol	0	NR
Ethanolamine	5	>4 hr
Ethyl Acetate	0	NR
Ethyl Ether	0	NR
Ethyl Mercaptan	0	NR
Ethylbenzene	0	NR
Ferric Chloride 50% Aqueous Solution	6	>8 hr
Fuel Oil	0	NR
Gas 1,3-Butadiene	0	NR
Gas Ammonia	0	NR
Gas Carbon Disulfide	0	NR
Gas Chlorine	0	NR
Gas Ethylene Oxide	0	NR
Gas Hydrogen Chloride	4	1-4 hr
Gas Methyl Chloride	0	NR
Gasoline 40-55% Aromatiics	0	NR

>4 hr

RECOMMENDED: The breakthrough time of this chemical in this glove material is >4 hours.

>8 hr

HIGHLY RECOMMENDED: No breakthrough was detected of this chemical in this glove material in >8 hours.

NR

NOT RECOMMENDED: Red is a warning color. DO NOT USE this glove with this chemical. Breakthrough time is <1 hour.

1-4 hr

USE CAUTION: The breakthrough time of this chemical in this glove material is 1 to 4 hours.

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& Safety Manufacturing, Inc.

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Chemical	ANSI Rating	PVC/Nitrile
Gasoline Unleaded	0	NR
Gear Oil (Mobilgear 630)	0	NR
Heptane	0	NR
Hexane	0	NR
Hydraulic Oil	5	>4 hr
Hydrazine 30-70%	6	>8 hr
Isooctane	0	NR
Isophorone	0	NR
Isopropanol	4	1-4 hr
Isopropanolamine	6	>8 hr
Jet Fuel A	0	NR
Jet Fuel JP-4	0	NR
Jet Fuel JP-8	0	NR
Kerosene	4	1-4 hr
Limonene	0	NR
Loctite®3298	0	NR
Methanol	0	NR
Methyl Bromide	0	NR
Methyl Ethyl Ketone	0	NR
Methyl isoButyl Ketone	0	NR
Methyl Methacrylate	0	NR
Mineral Spirits	4	1-4 hr
Motor Oil	0	NR
Naphtha <3% Aromatics	4	1-4 hr
Naphtha VM&P	0	NR
Nitric Acid <30%	6	>8 hr
Nitric Acid >70%	0	NR
Nitric Acid 30-70%	4	1-4 hr
Nitric Acid Red Fuming	0	NR
Nitrobenzene	0	NR
Octanol, n-	4	1-4 hr
Oleum (Sulfuric Acid, fuming)	0	NR
Pentachlorophenol	4	1-4 hr
Pentanol, n-	0	NR
Perchloric Acid 30-70%	6	>8 hr
Peroxyacetic Acid	0	NR
Petroleum Ethers <1% aromatics	0	NR
Phenol >70%	0	NR
Phosphoric Acid >70%	6	>8 hr
Potassium Hydroxide 30-70%	6	>8 hr
Propane Gas	0	NR
Propanol, n-	4	1-4 hr
Skydrol® Hydraulic Fluid #5	0	NR
Skydrol® Hydraulic Fluid #500B4	0	NR
Skydrol® Hydraulic Fluid #LD4	0	NR
Sodium Chlorate	6	>8 hr
Sodium Chloride	6	>8 hr
Sodium Cyanide	6	>8 hr
Sodium Fluoride	6	>8 hr
Sodium Hydroxide >70%	6	>8 hr
Sodium Hydroxide 30-70%	6	>8 hr
Sodium Hydroxide 40%	6	>8 hr
Sodium Hydroxide 50%	6	>8 hr
Sodium Hypochlorite	6	>8 hr
Stoddard Solvent	0	NR
Styrene	0	NR
Sulfuric Acid <30%	6	>8 hr
Sulfuric Acid >70%	4	1-4 hr
Sulfuric Acid 30-70%	6	>8 hr
Sulfuric Acid 93%	4	1-4 hr
Sulfuric Acid 96%	4	1-4 hr
Sulfuryl Chloride	0	NR
Tetrachloroethylene	0	NR
Tetrahydrofuran	0	NR
Toluene	0	NR
Toluene-2,4-diisocyanate	0	NR
Trichloroethane-1,1,1-	0	NR
Trichloroethylene	0	NR
Triethanolamine >70%	5	>4 hr
Turpentine	0	NR
Xylene	0	NR

>4 hr

>8 hr

HIGHLY RECOMMENDED: No breakthrough was detected of this chemical in this glove material in >8 hours.

RECOMMENDED: The breakthrough time of this chemical in this glove material is >4 hours.

NR

1-4 hr

USE CAUTION: The breakthrough time of this chemical in this glove material is 1 to 4 hours.

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